THE ARCHITECT & BUILDING NEWS

1 JUNE 1960

VOL. 217

NO. 22

ONE SHILLING WEEKLY

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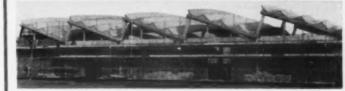
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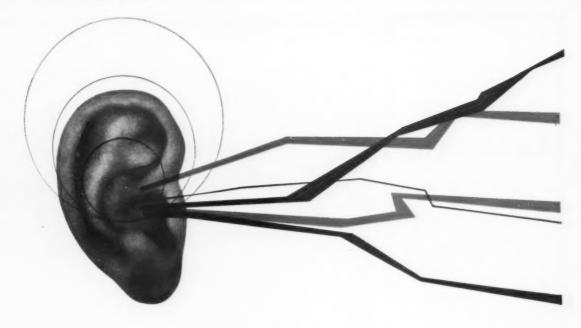




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HCI 36



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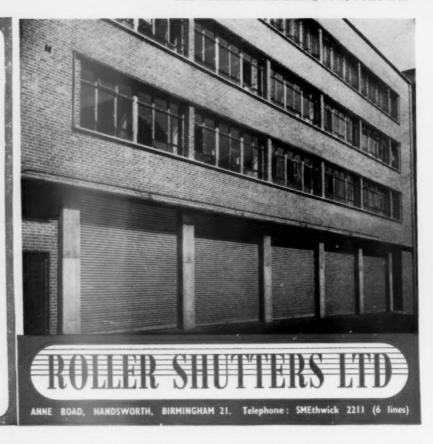
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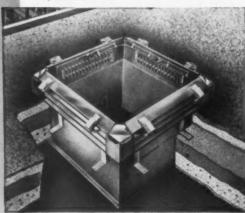


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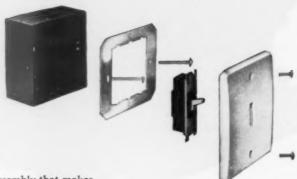


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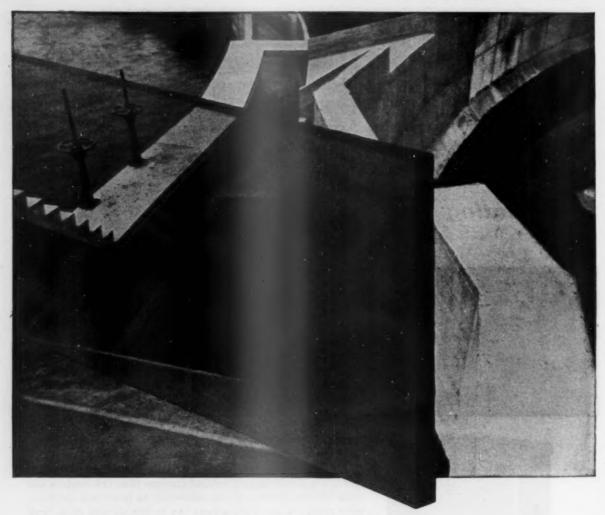
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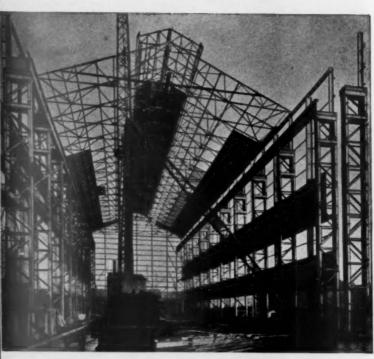
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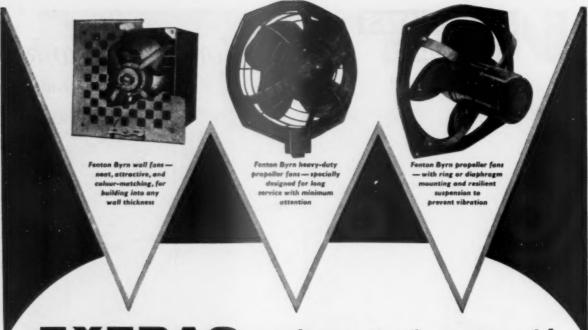
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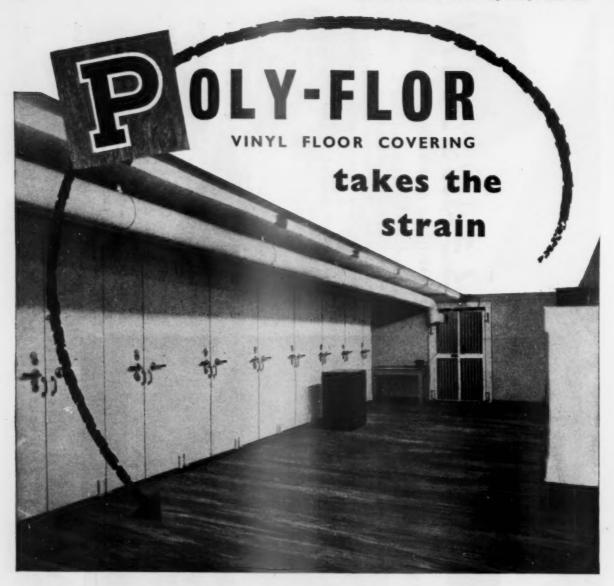
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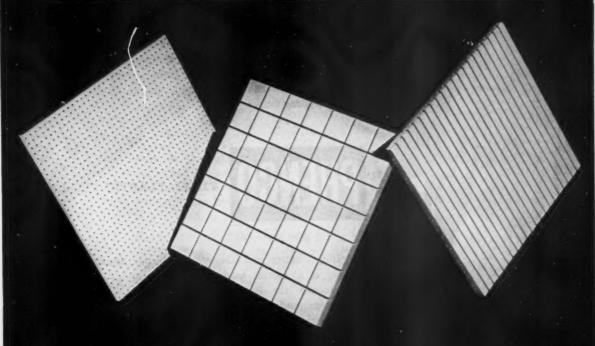


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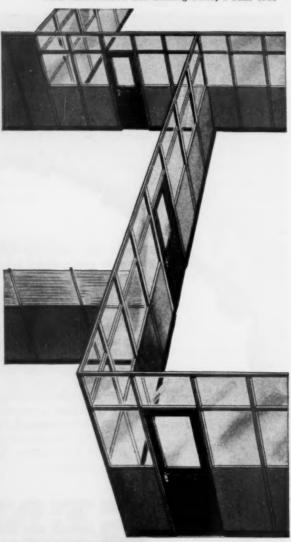


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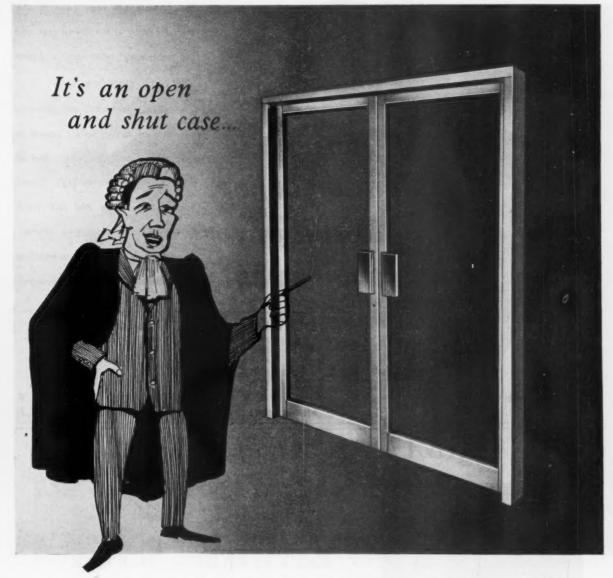
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A.1.	5	0	. 0	00	8.t.u/h
A.2.	8	0	. 0	00	B.t.u/h
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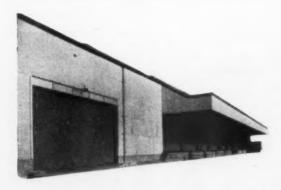
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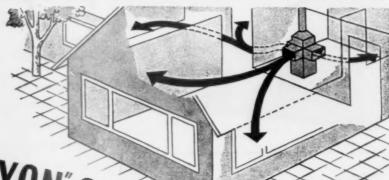
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CHEESEPARING?

THE Historic Buildings Councils for England and Scotland and Wales, in their annual reports for 1959–60*, all complain of the Government's new policy of retrenchment in the grants made for the repair and maintenance of historic buildings. In England alone there has been a cut of over 30 per cent on the previous year's allocation—and this in a period of national prosperity.

The Councils are most careful in their examination of claims, and in recommending grants, only listed Grade I buildings "of exceptional architecture or historic interest" are put forward. Many of these will now be lost if the present restriction, in the case of England to an annual total of £400,000 as against £600,000 for grants in 1958-59, is not raised.

This country has a unique heritage of fine architecture in its historic buildings. It also has a very wet climate. And once disrepair gets to the stage of the roof beginning to leak and the windows letting in the weather, the disintegration of the whole structure generally follows with catastrophic rapidity. Hence, the Councils' reluctance not to recommend a grant ("signing the death warrant of fine buildings") is understandable since the postponement of vital repairs for only a year or two may be fatal.

* H.M.S.O. Publications Nos. 185, 186 & 187. Price 1/3, 1/- & 9d respectively.

The public are becoming more and more interested in architecture, both new and old, as the Monico furore and the nearly two million visitors to grant-aided buildings up and down the country bore witness last year. Also, our tourist trade is booming, drawn no doubt by the countryside and the historic buildings in it, which we are now allowing to rot. Is not this a shortsighted policy?

The amount allocated for grants in England for 1959-60 was pitifully small. It is equivalent to the cost of putting one mile of 275 kV cable underground**. Perhaps it would be better, in the interests of amenity, to suffer a bit more cable to save more historic buildings. Furthermore, it might be sensible in certain cases to spend more, in order to restore the house better and to include in the restoration its surroundings. At present, no grants at all are made towards landscaping but only to actual garden architectural features. And yet the whole effect of a monument often depends on the closely integrated design of building and landscape.

There is a considerable degree of public support and appreciation for the excellent work of the Historic Buildings Councils and the help given them by the Ministry of Works. The Treasury should look closely at the issues which the Councils' reports raise.

^{**} From "Power Production and Transmission in the Countryside: Preserving Amenities" by Sir Christopher Hinton and Sir William Holford. R.S.A. Journal, January, 1960.

EVENTS AND COMMENTS

PICCADILLY CIRCUS COMPETITION

The London evening paper, *The Star*, has announced that it proposes to organize a competition for the design of the Piccadilly Circus Area. It will be open to all "students of architecture" anywhere in Britain. "Here is Youth's chance," says *The Star*. "Here is the opportunity for young people to declare what they think the centre of the Commonwealth should look like, Piccadilly Circus, the liveliest, most exciting place in the world." Details of the competition are under discussion with the R.I.B.A. A good deal will depend on the definition of "students of architecture"; if *The Star* means "architectural students" it is simple, but I know quite a number of elderly persons who would be happy to sign a letter to *The Times* "a student of architecture".

I have mixed feelings about this competition, and no doubt the Board of Architectural Education has too. I hope that it will express them to the organizers. In the first place *The Star* is to be congratulated on nipping in first with an idea that was bound to be in many people's minds. I wonder, however, whether it was wise to make it a students' competition. Students have to work very hard to do their ordinary work and at this time of the year are preparing for examinations and planning those excursions either at home or abroad which form an essential part of their education. A big competition with a fat prize, for I assume that the prize will be fat, is at once a challenge and a temptation to spend much time and labour working at home when they should be out seeing the world.

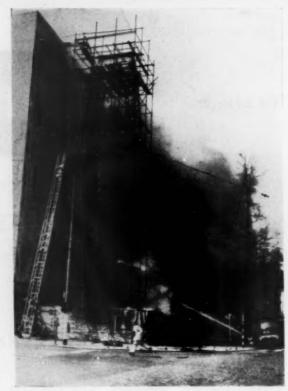
It is admirable that a national evening paper should be so interested in architecture, but does the hypothetical competition really do much good? I think it stimulates the public interest and this is important. It may also produce ideas and point out budding geniuses, but all this is at a heavy cost to the many hundreds of competitors who are among the also-rans. At the worst it could be described as the exploitation of a lot of enthusiastic and penniless students to advertise a newspaper, and at best a wonderful opportunity for the young to try to prove that they know better than their elders. I think the competition should be welcomed as being nearer the latter than the former.

OFFICE BUILDINGS IN THE SUBURBS

Many people, not in the real estate business, have been wondering when the mad craze of building office blocks in the city and central London is going to stop. At the same time we have heard people campaigning on the merits of decentralization and the advantages to every one of taking the office to the staff instead of the staff to the office. The central building boom shows no signs of slackening, but office buildings are springing up in most of the suburbs. In the long run it seems to me that we shall have far too much office accommodation, but this will not happen until all the scandalously housed firms are accommodated in something a little better; at least, that is what one hopes. I am very glad to see that something like the beginning of a public outery can be heard about office conditions. This should at least encourage the developers; perhaps they started it.

UNLUCKY BEEHIVE

The sculpture set up outside Rotterdam's famous Beehive Store has had a trail of misfortunes since it was



The Gabo sculpture on fire outside the Bijenkorf store (Marcel Breuer) Rotterdam

erected in 1957. First its floodlighting system gave trouble, then, not unnaturally, starlings took to it as a roosting place with the usual results; then it began to corrode. To deal with the corrosion a scaffold was built round it and this caught fire, damaging both sculpture and part of the façade of the building. It is difficult to see how a steel scaffold could catch fire, but my picture shows timber scaffold boards alight at several levels. Perhaps some highly inflammable liquid was being used to remove the corrosion. The future of the sculpture, by Naum Gabo, is uncertain. And that reminds me that it is now over a year since we heard anything of that huge sculpture for the Thorn building. When it does go up I hope it will incorporate some anti-starling measure and be proofed against corrosion.

THE ART OF PERSUASION

The Society of Industrial Artists is a young organization and I suppose that this accounts for its tremendous energy. It is the energy of its members determined to make their profession known. Of the various sections within the association that concerned with graphic design seems to be the most active. It is no time at all since we had the Face of the House exhibition at the Ceylon Tea Centre. Now, at De La Rue's in Regent Street, you can see The Art of Persuasion, a closely-packed record of members' work in the press and on the hoarding. It is an impressive and somewhat overwhelming The standard is high and the variety and inventiveness remarkable. It you are accustomed to look at the advertisement pages of papers and magazines, you will not find very much that is new. fact proves the enormous power of the graphic designer in the commercial world today. It is not very difficult to make a case against advertising as one of the greatest evils of the age, and this exhibition shows that there is a knife edge between the "art of persuasion" and the "art of misleading"; here it is pleasanter to think of members of the S.I.A. as being on the side of the angels.

A MODERN DOLLS' HOUSE

One of the brightest ideas for raising money for the World Refugee Year, which officially ended yesterday, is a modern dolls' house recently on view at the R.B.A. Galleries and at the Building Centre from June 7. The idea came from Miss Ann Ashton, was put on paper some time ago by Ian Marshall, a young architect who won third prize in the Sunday Times National Gallery Competition and worked for a time on A.& B.N., and was turned from drawings into a model by Coliptraklin, an architectural student at the Northern Polytechnic. This seems to show that students have plenty of time on their hands after all.

It is an imaginative and slightly crazy design, full of amusing ideas and quite delightful if not taken too seriously. The design is based on a programme for a house; others have provided tiny pieces of sculpture. climate of Mombasa is described in some detail as varying little from day to day and being hot and sticky with a breeze off the sea to make it bearable. house is built high to catch this breeze and to give a view over the tidal lagoons. I have never been to Mombasa but it the climate is anything like Ceylon, this breeze can nearly blow you out of bed at certain times of the year. The dolls' house would not be very pleasant in those circumstances. However, whatever experts in tropical architecture may say, and Mr. Marshall himself is now working in Kenya, it is a most exciting project and most beautifully and ingeniously made.

Miss Ashton, who is secretary to the president of the Royal Society of British Artists, has many friends and some of them have painted miniature paintings for the house, others have provided tiny pieces of sculpture. Among these are Willi Soukoup, Ronald Searle, Leonard Rosoman, Charles Cundall, James Fletcher Watson, and Karel Weight.

The garden planted with miniature trees and flowers by Miss Ashberry and Miss Glegg is enchanting and sets the house off perfectly. Miss Ashton did the furnishing and was handicapped by being unable to find well-designed dolls' furniture in the shops—C.o.I.D. please note. If any of my readers make furniture to the scale of three-quarters of an inch to the foot Miss Ashton would be delighted to receive gifts.

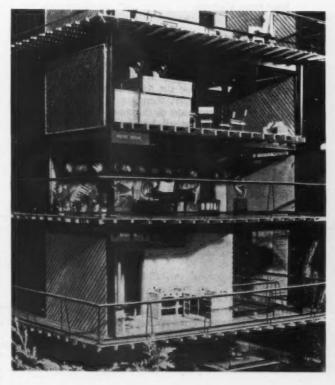
The model is expected to remain at the B.C. for some time but its ultimate home is uncertain. There is no doubt that it should find a place either in the Toy Museum or in some other suitable collection for it is in its own way a masterpiece.

A FAMILY BUSINESS

Many of the leaders in the battle for good design took the afternoon off last Wednesday and went to Bromley, Kent, to help Geoffrey Dunn celebrate the 250th anniversary of the foundation of his family business, Dunn's of Bromley. The firm's fame as house furnishers selling only well-designed things is due almost entirely to Geoffrey Dunn himself, who succeeded his father as head of the business when he returned from the war. He was extremely lucky, however, in having colleagues who keenly supported and guided his policy of selling only good contemporary products. That all of them were fully justified can clearly be seen in the shop today and in its success and fame. The shop is by no means everything, for the firm was founded as a furniture



Above, a general view of the dolls' house recently exhibited at the R.B.A. Galleries and soon to be moved to the Building Centre. Below, a section showing some of the detail



Continued overleaf

EVENTS AND COMMENTS CONTINUED

removing and undertaking business, with valuing and

auctioneering added.

Geoffrey Dunn has been right through it and for a long time ran the undertaking department for his father. I remember his telling me that his proudest moment was the successful management of the largest funeral ever held in South London, involving the marshalling of some hundreds of specially selected Rolls-Royces. Although the furniture shop is now in the forefront, the other departments of the business still flourish and, like the founder of the firm 250 years ago, Geoffrey Dunn still describes himself as an "Appraiser".

There was nothing funereal about the birthday party and there were many smart and pretty women to appraise. Most of them, with a true sense of occasion, wore crazy hats of the latest pattern. A woman's hat must always be crazy. Geoffrey Dunn welcomed the guests and told the story of the firm. In doing so he paid many compliments to his colleagues and staff and made many references to his forefathers. To bear witness to the proceedings, his five aunts came in a body, as they always do to the firm's annual general meeting, Lord Conesford, for many years, and still, a keen campaigner for good design, was the principal guest and spoke of the particular qualities of the family business, alas now so rare.

The shop is to be still further extended by Bertram Carter, who designed both the previous stages of rebuilding after the total destruction of the premises during the war. If you do not know Dunn's of Bromley and are interested in good furnishing shops, I can strongly recommend a visit. It only takes about a quarter-of-an-

hour from Victoria.

ARCHITECT AND PUBLIC

A letter in the Daily Telegraph recently from Mr. S. P. C. Plowden contained a number of suggestions for bettering the standing of architects in the eyes of the public. On the whole the writer thought that it was up to the architects to carry them out. Unfortunately some of his points were wide of the mark. For example, he seemed to think that all bad buildings were built by architects who were not members of the R.I.B.A. If only this were true! Again he stated that non-members of the R.I.B.A. were not bound to the same code of professional conduct, whereas if they are architects at all they come under the A.R.C.U.K. code, which is virtually the same thing. Again, Mr. Plowden says that it is against professional etiquette for an architect to criticize the work of another in public. Is this really so? Mr. Plowden evidently does not read The Times, The Observer, or the Sunday Times, to say nothing of the technical press.

As a practical guide to the public on good architecture, Mr. Plowden suggests a permanent exhibition like the Design Centre to be set up by the R.I.B.A. where good architecture of all kinds could be shown by models and other visual aids. The centre would also be a place where models of projects for important sites could be exhibited.

This is a good idea, and I have no doubt that it has been thought of before. However it bristles with difficulties. First of all, the R.I.B.A. could not possibly afford to do it, and if it could, would be greatly embarrassed by having to choose from its members' work. Such an exhibition, though permanent, would have to be changed constantly, for fear of becoming a museum.

It might be possible for the Civic Trust to undertake an enterprise of this kind, but it is not easy to see how the exhibits could be chosen fairly even then. In a minor way, the Building Centre already does this sort of thing by showing models of important projects from time to time. An extension of this service would be admirable and might take the form of a small exhibition illustrating current architectural news stories. This is easy enough to propose, but more difficult to put into effect. Models, for example, are not made for fun, and are generally used during the design of the building, being altered as the design develops. Drawings for presentation to the public would have to be specially prepared. Who then is to pay?

The object of the exercise is to educate the public to take a wider interest in architecture. It is very much in the interests of architects that this should be so. It is also in the country's interest. Perhaps the Civic Trust and the Building Centre could work together on a scheme. Meanwhile, we and Mr. Plowden can look forward to next year's Arts' Council exhibition of British

Architecture To-day.

THE LATE MORTON SHAND

I have received the following letter from John Murray Faston:

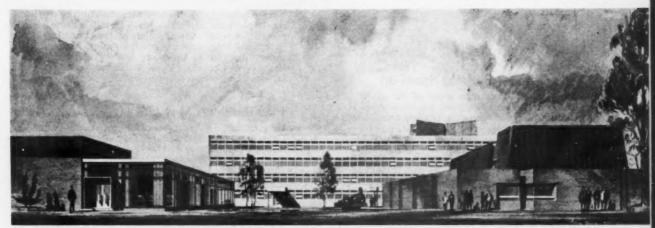
Sir,—May I add a footnote to your correspondent's account of Morton Shand? (A. & B.N. 11/5/60).

In 1923 he and I voyaged to Copenhagen as supercargoes on a Danish coke-boat, thus, I like to think, blazing the now well-trodden trail to Scandinavia. This mode of transport was normally the prerogative of the lower rungs of the Danish diplomatic ladder, but at that moment M.S. happened to be married to one of those hence our slow and happy transit via the Kiel Canal.

Under the genial influence of the captain and of the evening bottle of rum, M.S. expanded like a flower, forgot his numerous grievances against society, and the table-talk was something to remember. "Racy" hardly describes it. M.S. had a gift for drawing out of the captain his not strictly nautical adventures in every port and he himself had a handsome contribution to make. When the Horticultural Hall was opened, he wrote a piece about it in the Architectural Review, which was headed "Salute to Adventurers"—a title which was then used as a joke against Howard Robertson and myself, but not at all the same joke as it would be understood today. But it is not quite true, in our case at least, to say that he lacked either public or private appreciation.

TAILPIECE

I have just heard that the three prizewinning designs in the University Hospital of Wales competition are to be on public display in the main conference hall of the Ministry of Health, Savile Row, London, W.1, from July 7-14. This is good as it will coincide with the special R.I.B.A. course for architects from July 11-15.



The proposed theatre (right) seen against the backcloth of the four-storey arts building with the senior common room (left)

THEATRE FOR UNIVERSITY OF SOUTHAMPTON

A S already announced (A. & B.N., May 25), the Nuffield Foundation has made a grant to the University of Southampton of £130,000 for the building and equipping of a university theatre to be known as the Nuffield Theatre. It has been designed by Basil Spence, with Dr. Richard Southern as consultant, and will be part of a building for the faculty of arts.

Both Mr. Spence and Dr. Southern have emphasized the flexibility of the design. Mr. Spence has stated that an arts building was included in the immediate university programme. By placing it next to the senior common room, a courtyard would be created. This would be the first new courtyard in the post-war development of the university and would be laid out with lawns, trees, pools and sculpture. This was also perhaps the first time that a theatre had been included as an integral part of an arts building. It was located in the centre of a single-storey block, which contained the principal lecture rooms and, on one side, the music department.

Visually, the theatre would be seen as the principal element in the quadrangle, the copper clad walls growing out of a simply modelled brick base and against the stone-faced four-storey arts block, which would appear as a backcloth. The internal planning was carefully coordinated with the requirements of the arts faculty, so that the same entrance foyers, cloakrooms and toilet facilities

were conveniently disposed to both. Furthermore, a large exhibition space, opening off the entrance foyer, was planned to encourage the attention of students and of the public; it would be a natural gathering place for audiences prior to and during the intervals of a performance.

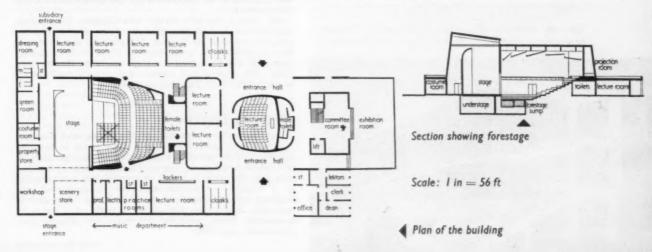
The auditorium was designed with a steep rake, the upper level connecting to balconies at either side, and with the seating arranged in a series of curves which, at balcony level, faced towards the stage on three sides, thereby attaining the most intimate atmosphere for open stage or lecturing purposes.

Access to it was from vestibules at either side, and then to the balconies from this point ascending the single rake, or from staircases in each vestibule. A section of seating at the front of the house was to be removeable, allowing the raising of an electrically operated fore-stage in two sections, each 7ft 6in deep and the width of the proscenium opening, provided for open-stage performances and lecturing purposes, with the further provision that these sections could also be lowered to accommodate an orchestra.

An acoustically-designed ceiling of simple facets would "float" above the auditorium, illumined by concealed light fittings.

Seating capacity: —Maximum number, 510; Seats with full fore-stage in use, 412; Seats with half fore-stage in use, 468; Seats for picture frame productions or cinema performances, 440.

The piled foundations consisting of both driven and bored piles will support a structure of reinforced concrete walls and roof of pre-cast concrete beams supporting reinforced wood-wool slabs. All basements will be water-proofed concrete and reinforced concrete slabs used for the main auditorium raked floors.



NEWS

The Hospital Building Speed-up

Laying the foundation stone of the new Peterborough Memorial Hospital last week, the Minister of Health, Mr. Derek Walker-Smith, Q.C., gave more details about hospital building plans. He made the following points:—

In no year before 1955 had more than £10 million been spent on hospital building in England and Wales. In recent years they had been able to give a welcome new look. By last year they had reached £22 million; this year it was £25½ million and next year it would be £21 million.

The number of schemes showed an equally striking advance. By the beginning of this year they had 180 major ones in various stages of development, more than 60 being schemes of over £1 million. They included eight new hospitals partly completed and nine begun, with 17 in the planning stage. Nine maternity departments were being planned. There was also a major advance in psychiatric hospitals and their big schemes included 25 of these. The mental health sphere was receiving a double benefit—a bigger share of the bigger resources available.

The minister said that considerable demands were going to be made on planned manpower and expert techniques. "Hospital design and building provides increasing opportunities for architects, both within hospital boards and outside. We have launched two great competitions. The results of the competition for the Cardiff Teaching hospital have just been announced. It has produced a dignified and economical design. Work has also started on the competition for the new hospital at Boston. The R.I.B.A. is holding an exhibition of hospital building in July, and there are courses for architects in hospital building under the auspices both of the R.I.B.A. and of the Nuffield Foundation at Oxford."

He added that the ministry had considerably expanded its design unit, which had a number of important studies under active preparation, including nurses' residential accommodation, consultative out-patient departments and hospital kitchens.

R.I.B.A. Hospitals Course

Details have been given of the course in hospital design which the R.I.B.A. is providing to help meet the demand for architects for the new hospital building programme.

It will be held at the R.I.B.A. from July 11-15 and will give architects background information about the Health Service, user requirements, trends in medical and architectural planning and the latest research. The course has

The new stand in Tattersall's enclosure at Cheltenham Racecourse. Architects: Rainger, Rogers and Smithson



been arranged in conjunction with the Ministry of Health, the Department of Health for Scotland and the regional hospital boards. An exhibition of recent work and projected new hospital building will be shown at the R.I.B.A. during the course, and there will be optional visits to hospitals in Copenhagen and Rotterdam, and to Swindon Hospital, Fairmile Admission Unit.

Fine Buildings May Go

In its annual report for 1959 the Historic Buildings Council for England declares that Government retrenchment on grants "may well be signing the death warrants of fine buildings". Similar protests have been made by the Historic Buildings Councils for Wales and Scotland.

The English body reports that it had been asked to restrict recommendations for 1959-60 to a total of £400,000, against nearly £600,000 in 1958-59. "We have done our best to comply with his request; but we very much regret that as a result we have had to restrict our activities."

"The ceiling or ration has not yet been in operation for a full year, so it is too early for us to say exactly what effect it will have. Nevertheless, it is already abundantly clear that we are having to recommend you to refuse grants to many buildings which would hitherto have qualified, and which in our opinion ought still to qualify for grants. In these cases it is only with the greatest regret that we have recommended you to make grants since we realize that we may well be signing the death warrants of fine buildings."

By the end of last December there were 31 buildings on the waiting list. Ministry of Works architects had estimated that the cost of necessary repairs would be nearly £128,000, whereas it seemed that not more than about £20,000 would be available. Even allowing for owners' contributions, it was clear that only a small number stood any chance of receiving a grant (see leader, page 685).

Wokingham Town Hall Competition

The Borough of Wokingham, Berkshire, invites registered architects to submit designs for its new municipal offices. Premiums are £1,500 and £250. Conditions will be available from June 24 and applications for them will be received up to July 8. Applications should be made to the Town Clerk, Town Hall, Wokingham, Berks, with a deposit of two guineas. The assessor is Clifford Culpin. Last day for submitting designs is October 17, 1960.

Scotland's Chief Planner

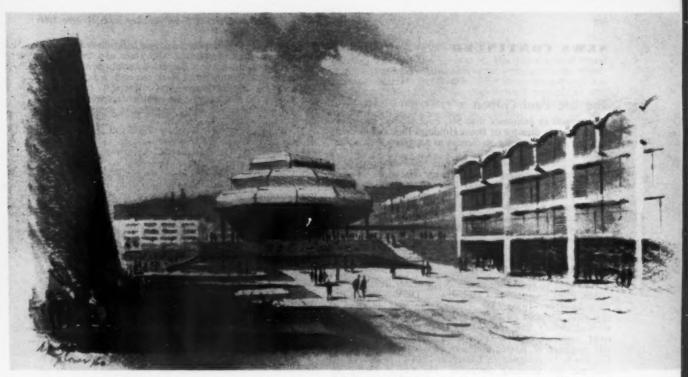
Robert Grieve has been appointed chief technical planner in the Department of Health for Scotland, a post formerly held by the chief architect, T. A. Jeffryes. Mr. Jeffryes will continue to be responsible for the department's architectural work.

Mr. Grieve formerly served with Glasgow Corporation and Renfrewshire County Council. From 1943 to 1946 he collaborated with Sir Patrick Abercrombie and Professor Robert Matthew in preparing the Clyde Valley regional plan. He has been with the Department of Health since 1946. Mr. Grieve is a former chairman of the Scottish branch of the Town Planning Institute.

Offices in London

The executive committee of the Town and Country Planning Association has set up a study group to consider the effect of the growth of office employment, particularly in Central London, on congestion in the Greater London area, and the extent to which decentralization is practicable as a solution. Available data will be assembled and analysed, present problems considered and future trends assessed. The group will obtain a study of a series of statements from specialist interests (see Events and Comments, page 686).

More News on page 692



A view across the physical education campus. In the centre is the mathematics lecture theatre block and beyond is the mathematics court; to the right is the corner of the physics block

LEEDS UNIVERSITY EXTENSIONS

A COMPREHENSIVE £17 million development plan for Leeds University—published last week—is both flexible and far-sighted (see model, A. & B.N., May 18). While it looks ahead to 1970, when it is expected there will be about 7,000 students on the register, compared with about 4,500 now, it also makes allowances for rapidly changing demands.

Mr. Peter Chamberlin, of Chamberlin, Powell & Bon, the architects, told a Press conference that the scheme provided for study-bedroom accommodation for about one-third of the students in the heart of the university, and a similar number were being catered for in halls of residence in the city suburbs. The aim was to make it easy for students to travel between departments.

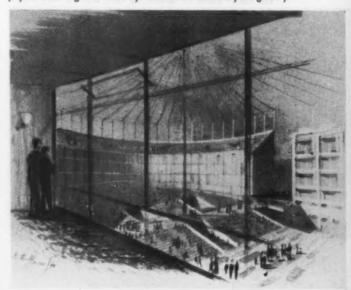
The plan has been designed to improve the setting of the existing university buildings and to make the most of the site, which it is hoped may be available for future expansion, and to take advantage of the unique opportunity to unite the university with the heart of the City of Leeds. The whole area, planned to be occupied by the university and the United Leeds Hospitals, is conceived as a precinct laid out for the use and enjoyment of pedestrians to which not only members of the university but also the citizens of Leeds will have free access. At the same time access for the motorist has been catered for, including provision for car parking. This precinct is planned within the area approximately surrounded by the improved Woodhouse Lane, Reservoir Street, Clarendon Road and the proposed new ring road. Large parts of this site, already zoned for university development, are due to be cleared in the near future.

The new buildings required are laid out to define a series of inter-related courts and gardens stepping up the sloping site—a sequence of spaces designed so that each has its individual form and character.

The need to build a new medical school for the university has led the architects to consider the great advantages which accrue from the closely integrated planning of hospitals and medical teaching accommodation, and they have strongly recommended that the opportunity should be taken to create a new medical centre in Leeds containing a new hospital as well as a new school of medicine.

So that the existing monumental Parkinson Building may retain its dominant position in the university, it is suggested that most of the new buildings should be limited in height to four storeys. Much of the proposed new research accommodation is planned in single-storey buildings so that it can easily be modified to meet changing requirements; it is designed to be built above semi-basement car parks which will also act as service ducts. Several buildings serving particular purposes are designed with distinctive forms in contrast to the long terrace block which define the courts. These include a mathematics lecture block, an undergraduate working library, senior common room, physical education centre, university theatre and concert hall and dining halls.

Looking across Congregation Court towards the curved working library and reading room from an upper floor of the physics building. The subways lead to the university art gallery



NEWS CONTINUED

The late Paul Gilbert

We regret to announce that Mr. Paul Gilbert, chairman and managing director of Bovis Holdings Ltd. and Gilbert-Ash Ltd., died suddenly on Sunday at La Napoule, Cannes,

aged 61.

Mr. Gilbert controlled many vast building projects in his lifetime, including the Mulberry Harbour. For a period during the war he was Director of Labour in the Ministry of Works. He was chairman of the council of the Federation of Civil Engineering Contractors in 1955, and became first chairman of the National Contractors Group of the London Master Builders' Association on its formation in 1959.

The late Anthony Gibbs

We regret to record the recent death of Mr. Anthony K. Gibbs, chief engineer of Cumbernauld Development Corporation from 1958. Mr. Gibbs, who was 44, was a persistent advocate of engineer/architect co-operation and worked closely and successfully with Hugh Wilson, the chief architect. After experience on the staff of the city engineer of Exeter and war service with the Royal Engineers, he returned to Exeter in 1946-47 in charge of post-war site servicing contracts. He was in Derby as senior engineering assistant engaged on road proposals for the development plan 1947-49, and as chief planning assistant from 1949-54. As chief planning assistant, Oxford, 1954-57, he was concerned with Oxford's road problems. He went to Cumbernauld in 1957.

Landscape Design Criticised

According to J. St. Bodfan Gruffydd, of Crawley Development Corporation, much is seriously wrong with

modern landscape design.

In a symposium on Designing for Pleasure and Hard Wear in the Landscape—held by the Institute of Landscape Architects at the R.I.B.A. last week—he declared: "The art of modern urban landscape has not come of age. This is not for want of effort. One may tour countless post-war developments of all sorts and descriptions and see ample evidence of thought having gone into their creation. More often than not (if they were designed by landscape architects) the design is pleasantly conceived and frequently well detailed. But they are not a success. Paths have been trodden across flower beds, shrub groups are scruffy and tattered, would-be lawns are bleak areas of baked earth or mud, slopes converted to rough slides, plant boxes and flower pots turned into children's castles and litter bins.

The major cause of failure, he said, was the way people had used the site. It seemed that the thought processes underlying the conception of the original design were at fault. Until the last war gardens and parks were designed for people who were either enlightened or disciplined—enlightened behind park walls and disciplined outside garden railings. Now we were a nation striving, in the prosperity of materialism, to create for the many the pleasures of the former few. Might it be that basic concepts

of our design theory were out of date?

He said that a team consisting of David Randall, Leo Kramer, Ray Miller and himself had been grappling with the problem in Crawley. These are some of the measures

they adopted:

Two oak trees and an ash had been woven into the design of a shopping forecourt at Langley Green Neighbourhood Centre. The pavements were a sea of mud, because children had been climbing the trees while their parents shopped and had carried away some of the earth in the surrounding mounds. Here the opportunity was taken to create a play feature with bricks and mortar and cobbles. And it worked. The children found the walls and ankle rail as well as tree-climbing excellent for balancing

exercises, and the remaining oak and ash, not being easily climbable, were underplanted with roses and temporarily surrounded by hurdles until defensive prickles developed.

Whenever hedgerow trees were retained, a ridge of soil marking the old hedgerow was invariably left in the interests of the tree roots. This was attractive to children and got worn bare. It could be paved to form an equally

attractive meander.

The devastation that overtook woodland left untreated in new development had been illustrated at the Housing Centre in 1957. The team found overgrown coppice with an insufficient area to allow for fenced off islands to be left untouched. Weak coppice which could be bent to build wigwams was thinned out and doubtful or over-mature trees removed, promising young saplings staked and new ones planted. All-weather paths were also laid to provide a new route to the shops and public house. This opened up the wood to mothers with young children in prams and ensured some adult supervision.

This treatment tidied up a wood without destroying character and allowed for spoilt the children's sport. He was therefore hoping to institute a scheme to enable them to destroy coppice in its normal rotation instead of cutting it to make chestnut paling fences. Experience had shown that it was not impossible to get children to accept the disciplines entailed

by arranging talks in the schools.

Miss Jocelyn Adburgham presided and the symposium was opened by Mr. W. F. Deedes, M.P. Other contributors were Miss Margaret Willis, of the L.C.C., and David Randall.

A.A. Elections

The result of the ballot for the election of the officers of The Architectural Association for the session June 1, 1960 to May 31, 1961 is as follows: president, Edward Playne, D.S.C.; vice-presidents, J. M. Austin-Smith, M.C., T.D. and Anthony Cox; hon. secretary, G. Epstein; hon. treasurer, John Lacey; hon. editor, Leo De Syllas; hon. librarian, Hilton Wright; past-president, H. T. Cadbury-Brown.

New Council: John D. Broadbent, Dargan Bullivant, James Cubitt, M.B.E., Erno Goldfinger, Denys Lasdun, M.B.E., Leonard Manasseh, Peter Moro, Peter Newnham,

M.C., Geoffry Powell and J. M. Richards, C.B.E.

Halesowen Architectural Competition

The commended design (No. 15) was submitted by Wells, Hickman and Partners, although the required declaration was signed by Roman Halter and Edward H. Hartry as partners in charge.

Coming Events

Institution of Civil Engineers

June 9 at 5.30 p.m. Annual General Meeting. At Great George Street, S.W.1.

Royal Institute of British Architects-Yerbury Foundation

June 2 at 6 p.m. "Tall buildings in New York", Ely Jacques Kahn. At 66 Portland Place, W.I.

Borough Polytechnic

June 8 at 2.15 p.m. Modern heating and ventilating problems for the architect. "The application of steam, hot water and other media for heating purposes", J. R. Kell, M.I.MECH.E., P.P.I.H.V.E., M.INST.F., M.CONS.E.

Victoria and Albert Museum

Now until October 1. Exhibition of drawings and etchings, by Giambattista Tiepolo (1696-1770), in rooms 70-73.

The Association of Building Technicians

June 3 at 6.30 p.m. "Motropolis", an architectural appraisal of motorways in the urban scene. At The Building Centre, Store Street, W.C.1.

Law and Administration

Enforcement of Planning Control

The law concerning enforcement of planning control is to be changed as a result of the Caravan Sites and Control of Development Bill now passing through Parliament (see A. & B.N. of April 20, 1960). Nevertheless a good part of enforcement law is likely to remain unchanged. So several of the matters raised in a recent case, Mounsdon v. Weymouth and Melcombe Borough Council, are of continuing interest.

As long ago as 1953 the courts were asked to answer an interesting question about planning enforcement. Suppose an owner or occupier applied for planning permission, which was granted, could he later maintain, when he received an enforcement notice, that no planning permission was required? In the case of Swallow & Pearson v. Middlesex County Council in 1953 it was very clearly

decided that such an argument was valid.

It was, therefore, surprising in the present case to find "it was contended that, having obtained planning permission, the appellants could not now argue that it was unnecessary, and it was suggested that Swallow & Pearson v. Middlesex County Council was distinguishable on the ground that planning permission was not obtained in that [latter] case, whereas in this case it was". The court observed that "we do not think that the distinction affects the principle applied in that case and in others to which reference was made in the course of argument. In our view the appellants are not precluded from raising the issue as to development by reason of the grant of planning permission in 1952".

The grant of planning permission in this case had been given in April, 1952, and authorized the appellants to use land as a caravan site subject to certain conditions. One of these conditions provided that the number of caravans to be stationed on the site was to be limited to three. In fact, by July, 1954, there were 14, which had risen to 26 by

July, 1958.

In August, 1958, an enforcement notice was served which alleged, inter alia, that the condition attaching to the grant of planning permission had been broken. Apart from the question already mentioned, two further issues were raised. In the first place "the main issues between the parties", said Mr. Justice Ashworth, "raised the following problem: If a local planning authority serves on a person an enforcement notice alleging a breach of the conditions subject to which permission to carry out development was granted, is it epen to that person in proceedings . . . to contend that permission was not required and that there has been no development?"

The court answered this question unequivocally. "It is, in our view, clear from the decisions of the Court of Appeal in the cases already eited [i.e. Eastbourne Corporation v. Fortes Ice Cream Parlour (1955) Ltd., and Guildford R.D.C. v. Fortescue] that if an enforcement notice merely contains an allegation that development has been carried out without permission, it is open to the person aggrieved by the notice to contend that no development within the mean-

ing of Section 12 has taken place."

The second question which was raised, concerned the effect of the four-year period specified in Section 23 (1) of the Town and Country Planning Act of 1947. The court again put the position clearly. "In this connection it is to be noted that by Sub-section (1) of Section 23, the planning authority is limited to a period of four years after the alleged development has taken place, within which an enforcement notice can be served. In the present case the enforcement notice was issued in August, 1958, and expressly referred to development alleged to have been carried out within a period of four years preceding the notice. The development complained of in the notice is an increase in the number of caravans beyond three, but as the number of caravans in 1954 was 14, the development alleged was carried out before that date. In these circumstances the alleged development was not established."

Control of Advertisements

Earlier this year the Minister of Housing hoped it would soon be possible to consolidate the regulations on advertisement control. In Circular 27/60 he announces that this has been achieved and the consolidated regulations, the Town and Country Planning (Control of Advertisements) Regulations, 1960, came into force on May 2.

In Parliament

Monico Decision "Courageous"—M.P.

Mr. Henry Brooke, Minister of Housing and Local Government, discussing his Cafe Monico decision, said in the Commons that he aims to collaborate with the L.C.C. on a comprehensive development plan for the Piccadilly Circus area.

During question time the minister was congratulated by Mr. Kenneth Robinson (Lab., St. Pancras North) on "a wise and courageous decision taken firmly in the public interest". Mr. Robinson also congratulated the minister's

inspector on "an exceptionally lucid and imaginative

Mr. Brooke told him: "Planning control often makes people angry, but if it did not exist I think things would happen in town and country which might make them angrier still (May 24).

Historic Site Plea

Commander J. F. W. Maitland (Cons., Horncastle) asked the Minister of Works, Lord John Hope, in the Commons "whether he is aware that the area in which extensive digging operations are being conducted at the corner of Great Smith Street and Victoria Street is one of great historic interest".

He also asked the minister "whether he will now approach those responsible for these operations with a view to securing an option for the purchase for the nation of any objects of historic interest found in the course of

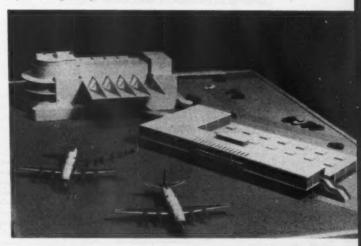
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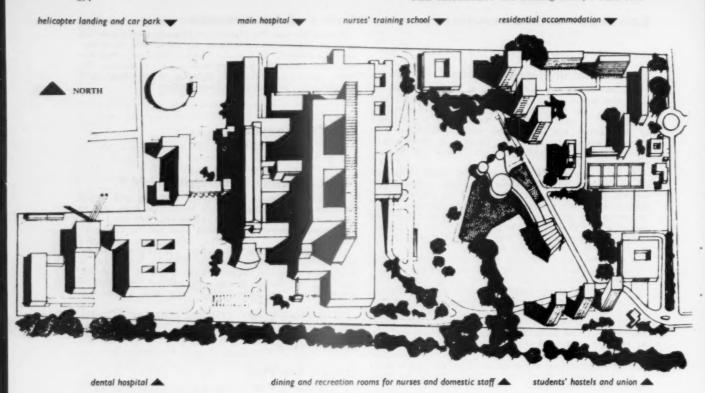
The minister stated in a written reply: "I am aware of the historic interest of the site, but I am advised that any remains of archæological value would have been destroyed by the foundations of the buildings recently demolished.

"The Ancient Monuments Acts do not empower me to purchase finds of archæological or historic interest"

(May 24).

A model of the passenger handling building at Birmingham Airport, designed by Norman & Dawbarn

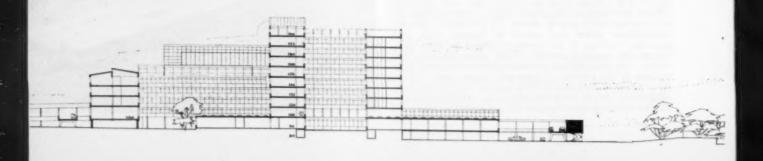


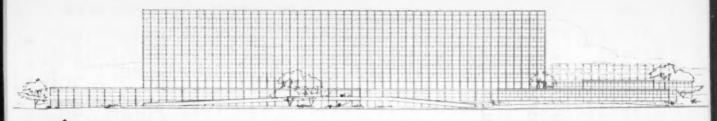


UNIVERSITY HOSPITAL OF WALES COMPETITION

- First premiated design (£5,000)
 S. W. Milburn and Partners
 in association with M. Harding and J. Surtees
- Second premiated design (£3,000) Charles B. Pearson and Son Charles E. Pearson in association with George R. Lovell and Peter P. Lund
- Third premiated design (£2,000)
 Farms and Partners

This year the hospitals building programme has been more than doubled, and already three issues have been devoted to this important subject (A. & B.N. 10.2.60., 14.5.60., 25.5.60). Now the result of the biggest and most complex competition to be held in this country since the war is announced. Valued at £7,000,000 the new University Hospital of Wales will make a major addition to the architecture of medicine. We therefore give more space than usual to the illustration of the winning scheme and intend to describe the second and third schemes in future issues. Winning designs are to be exhibited at the Building Centre, London, later on





South-East elevation

REPORT OF THE ASSESSORS, SIR PERCY THOMAS, F. R. S. YORKE, J. H. FORSHAW, A. TREVOR JONES, AND A. R. CULLEY:

FORTY designs have been received and all have been subjected to extensive and detailed examination. We realize that the principles laid down in the conditions presented the competitors with problems of unusual complexity, and we are convinced that the competitors as a whole have given thoughtful study to the manifold and diverse activities inherent in a comprehensive solution. We can say with sincerity that the schemes produced have c o m p l e t e l y justified the competition.

Certain of the designs show great merit, and many of them illustrate in a practical way the subtle relationship between the care of the sick and the study of medicine. Of these we consider three schemes worthy of the conception which the promoters had in mind:—

Design No. 27. First Premium

We are much impressed with the spacious layout of this scheme and we believe the author has a fine appreciation of the magnificent qualities of the site, especially in the intelligent use of the contours. The attractive approaches to the various buildings and the thoroughfares within them are designed for the ease of patients, visitors and staff.

The planning of the main hospital building is compact, combined with a dignity and simplicity which harmonizes well with the open freedom of the park-like setting. We think that for an acute hospital in this location the south-easterly aspect of the wards is appropriate.

The general relationship of the various departments is well conceived, and the much desired integration of medical school and hospital is imaginatively achieved with seemingly effortless ease, and thus shows that the fundamental concept of the scheme has been grasped. The specialized departments and the wards conform to modern ideas with ample flexibility,

and the provision for future extensions preserves the essential relationships. The dental hospital is conveniently placed and maintains the general simplicity of the design.

The nurses' accommodation is well sited and planned, and their recreational facilities form a pleasant and attractive group, providing a refreshing contrast in environment.

The general site layout and the features of the buildings lend themselves to the installation of efficient engineering services with good provision for maintenance.

The author estimates the total cost at £7,996,000. We have carefully checked the cube figures and the prices, and we consider that the work could be carried out within the terms of the conditions of the competition.

Design No. 29. Second

This design also makes good use of the site. We think, however, that the external communications links could be improved. The hospital building forms a simple and compact plan, and the integration of the medical school departments with the hospital is generally excellent. The dental hospital is conveniently placed and the link-up with the medical school is satisfactory.

The detailed planning of the various specialized and clinical departments is well thought out, but the integration of school and hospital is so arranged as to infringe slightly on working conditions.

The provision for future extension is weak in this plan, and if placed as suggested would jeopardize the inte-

gration of departments. The design, however, has possibilities within it for a better solution of this problem of extension.

Although the nurses' residential accommodation is well sited, the courtyard pattern would result in conditions unattractive to those in the lower storeys. While we consider this design solved most of the many problems satisfactorily, there are some features which could not be accepted.

The general site layout and the features of the buildings lend themselves to the installation of efficient engineering services with reasonable provision for maintenance.

The author estimates the total cost at £7,682,000. We have carefully checked the cube figures and the prices, and we consider that the work could be carried out within the terms of the conditions of the competition.

Design No. 25. Third Premium

In some ways we do not consider that this design makes the best use of the site, but it is an interesting alternative arrangement, and the links and communications across the site are good.

The planning of the main hospital building, though efficient, is not so direct as in other designs, and the attempt to solve the difficulties of internal communications is somewhat involved.

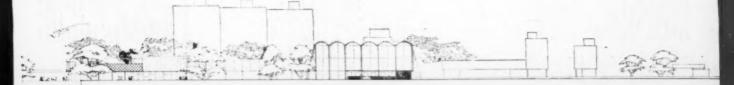
The arrangement of the specialized and clinical departments is generally convenient, but the detailed design is not completely satisfactory: for instance, the overall shape of the wards presents difficulties in achieving that complete flexibility so necessary. The dental hospital is well placed, but it is unnecessarily generous in space.

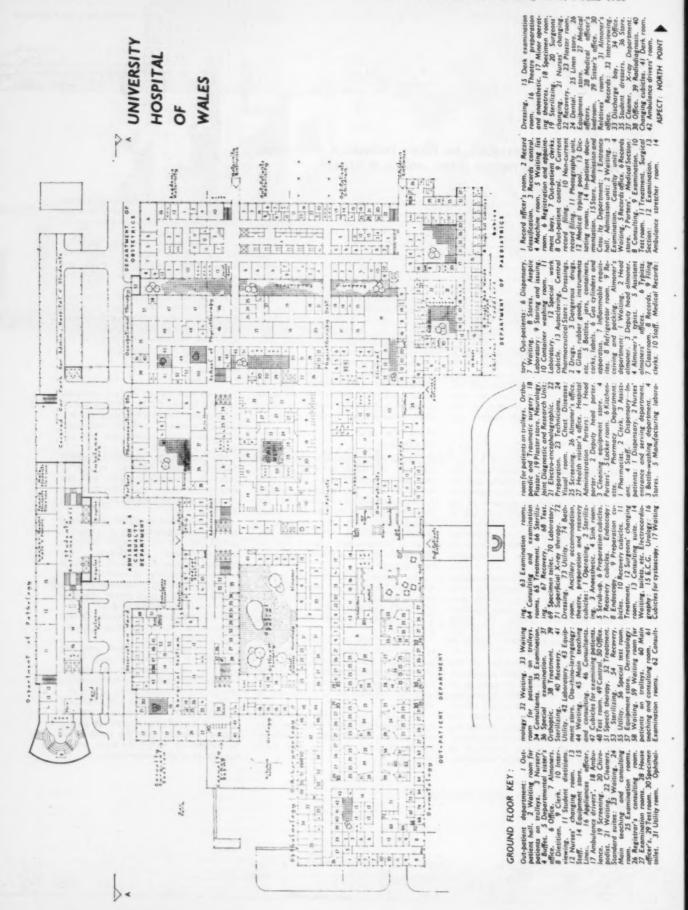
The residential accommodation for nurses is most attractive and is thoughtfully arranged.

The general site layout and the features of the buildings lend themselves to the installation of efficient engineering services, with reasonable provision for maintenance.

The author estimates the total cost at £7,642,000. We have carefully checked the cube figures and the prices, and we consider that the work could be carried out within the terms of the conditions of the competition.

Cross sectional elevation looking North-East





with the comforts of the home.

In about the year 1900 a French writer, Leroy, described a hospital as a machine for treating the sick. Today, sixty years later, we still expect our buildings to have the precision working of a modern machine but combined has been the guiding principle in the production of the (accompanying) design. The most important planning matter aspect as sheltered as possible from

Extract from the Winners report

been high

Medical School has

integrated designed

building with a horizontal single-storey platform which accommodates admission, in-patients, out-patients and the various ancillary departments for Registration, Pharmacy, Almoner, X-ray and Physiotherapy treatment and on the N.E. side of the site in a two-storey

as a seven-storey

Obstetrics

Department. The S.E. half of the site has been planned to accommodate staff

wing, the Children and

single- and two-storey buildings, which scape to give pleasant and restful living

staff houses, grouped in multi-storey,

have been carefully fitted into the landconditions, and to form, in combination with the larger hospital and teaching building, a carefully thought out plan-

homes and hostels, Students Union and

ning development for practically the

Advantage has been taken

whole site.

of the Wedel stream to form an

artificial lake flowing through the nurses

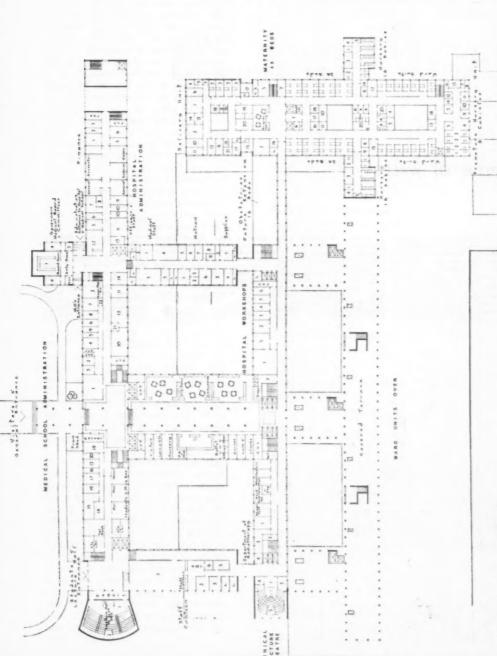
mental patients' requirements and make

the best use of the magnificent site, the main Hospital Block with the

In order to achieve these funda-

disturbance from traffic noise.

has been to provide wards with a S.E.



Affice. S Comments. Skitchenette. Pingerer S staff. Sec. of Finance officer. 2 Sec. of retary. Accounts clerks, super-sensitions, Accounts clerks, super-sensitions and sensitions of the sensition of the sensiti Medical School Administration: 7 House governor, 1 Committee. 2 Variating. 3 9 Assistant secretor Kitchenette. 4 Provost. 3 Secretor traine assistant 1 day., 6 Dean. 7 Secretory of General office. UPPER GROUND FLOOR KEY: Witcheners, 4 Promost., 5 screens are consistent of the constant of the consta

3 Kitch

supervisors. 8 Clerks. 9 Visitors. 75 Staff. Contenen. 1 Dining Hall. w. 2 Staff. 3 Office. 4 Wash-up. 2 Staff. 3 Office. 4 Wash-up. 2 Staff. 9 Stare. 9 Stare. 6 Crockery 16 Stare. 7 Pet wash-up. Clinical Description. 1 Foyer. 2 Clinia. 1 Clinia. 1 Starting. 1 Resident. 3 Walling. 14 Retiring. 5 Projection. Depart. It Red for Identification. 2 Secretary 2 Market. 3 Starting. 1 Head of Ladoustreams. nd W.C.

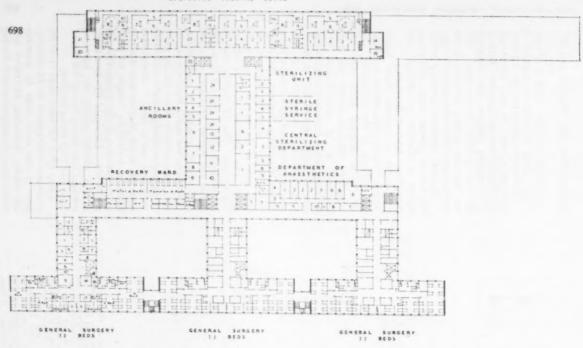
ASPECT: NORTH POINT Day room. frum store. Test or laboratory. S Working to wind W.C. etc. & Medical officer. 19. 7. Consultant. I Dury. Schilliang 1. M. P. Treammer. J. Equipment steen. At I. Commerce. 19. 15 (with pression of the consultant interest o Suite: 1 Delivery rooms (2).

3 Four labour rooms. 4 American their opportunities are 5 Serliking room. 5 Sink (6) Specimen from 6 Specimen room. 6 Sink (7) Specimen room. 6 Sink (7) Mures changing. 12 Sudenst

Pennature Murany Unit: all pennature Murany Unit: all 2 Cublicles, six of 80 of fr soch 2 Cublicles, six of 80 of fr soch 3 Vestibules 5 Mile kilchen 6 Seelings 5 Mile kilchen 6 Seelings 10 Operany 6 Equipment 5 Seelings 10 Operany 18 State 2 Cube 1 Canada 1 Seeling 20 Work room and 21 Laundry (sorting) room, 13 Scrub-up, 14 Instrume room, 15 Linen store, 16 Cleaner 17 Day room, 18 Sluice,

Every effort has been made to create accommodation and it is hoped that part of the ward units by planning day-rooms, lavatories, bathrooms and locker rooms in conjunction with the bed a domestic atmosphere in the patients early ambulation will be encouraged. home and staff dining building.

Continued on page 699



THIRD FLOOR

UNIVERSITY HOSPITAL OF WALES

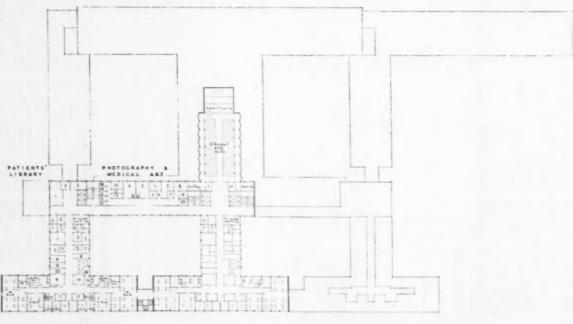
THIRD FLOOR KEY:

Operating Theatres, Ancillary Rooms: 1 Surgeons. 2 Administrative sister. 3 Nurses' rest room. 18 Plaster store. 19 Laboratory and specimen room. 20 Endotrative sister. 3 Nurses' rest room. 20 Linallocated room for Scrub-up. 4 Theatre office. 5 Anoesthetic office. Changing Rooms: 6 Male surgeons. 7 Additional multiple surgeons. 8 Female surgeons. 9 Nurses. 16 Additional nurses. 1 Rooms for patients on trolleys. 18 Female surgeons. 19 Additional nurses. 1 Rooms for patients on trolleys. 18 Female students. 13 Female students. 14 Demonstration. 15 X-ray. 18 Dark room. 17 Plaster

ing theatre. 9 Dressing trolley preparation. 10 Sink room. 11 Scrub-up. 12 Equipment. 13 and workshop. 2 Packing. 3 Auto-Supplies. Sterilezing Unit: 1 Clean-up and preparation. 2 Medicament. 3 Autoclave. 4 Sterile supply. 5 General store. 6 Instrument 3 Secretary. 4 General office. store. Central Sterilizing Department: 2 Assistants. 1 Preparation. 2 Sterilez tories. 7 Workshop. 8 Chiefing. 3 Sterile drum store. 4 Sterile solution preparations. 5 Wash-up. 6 Sterile solution store. 7 Bulk ASPECT: NORTH POINT

FIFTH FLOOR KEY:

Patients' Library: I Book store, 2 Office. 3 Receiving and packing. Photography and Medical Art: I Director. 2 Secretary. 3 General office. 4 Waiting. 5 Studios. 6 Dressing cubicles. 7 Photomicrography. 8 Artist. 9 Specimens. 10 Chemical preparation. 11 Dark rooms. 12 Negative processing. 13 Positive processing. 14 Loading bay. 15 Staff. 16 Retinal fundus camera room.



FIFTH

GENERAL MEDICINE

FUTURE WARD

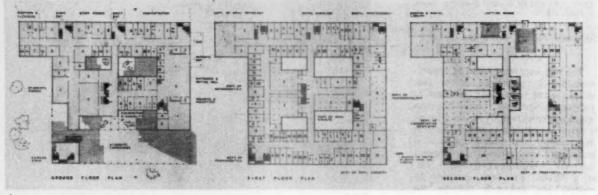
Winners report continued:

The next important planning requirement which is stressed in the conditions of the competition, has been to provide out-patients' accommodation which will encourage, by its atmosphere, a desire for patients to visit the various departments in the early stages of a complaint, and return at frequent intervals until a cure is effected. This, it is hoped, has been achieved by making the approach through the gardens and giving the more important rooms, such as the waiting rooms, etc., an outlook across them.

Much thought has been given to keeping, as far as possible, the different types of traffic such as food supplies and stores, the approach of visitors, movement of patients etc., on different floor levels, and the placing of the hospital building and teaching school on the site has largely helped in solving this problem by the sloping contours. It will be noted that the lowest floors consist entirely of the main kitchen and bulk stores, and service corridors leading direct to lifts, serving the patients situated on the upper floors. It will also be noted that the suggestion made in the conditions of the competition in regard to designing the staff residential accommodation in a more modern and attractive form than the normal conventional large hostel type has been followed and that the bedroom blocks are planned with an open ground floor, apart from entrances and stores, which gives adequate covered space for bicycle parking. The dining and recreational facilities are grouped together, including a central kitchen block in an interesting type of modern building which it is considered will provide rest, recreation and refreshment for off-duty staff and their friends. The goods delivery to this kitchen from the main bulk stores will be by power driven trolleys through a sub-way at a lower ground floor level, and refuse disposal will follow the same route as shown on the layout plan.

In planning the dental school, as far as possible, arrangements have been made to obtain maximum overall daylight in rooms where dental chairs are situated, whilst at the same time having regard to the fact that the interior of the mouth is always illuminated for dental work by artificial lighting. Opportunity has been taken to provide on three floors a closely integrated type of plan which it is hoped will produce the minimum difficulty to patients finding the way in and out of the different departments, and at the same time provide simple and easy working conditions for the staff.

头 ** ****** ***** WEZ:***** DESCRIPTIONS. The Literal Paristant And Comment of First and second floors. Fourth, sixth, seventh floors Tr. . Mullimotal.



KEY TO DENTAL SCHOOL AND HOSPITAL

Dental School

Costs

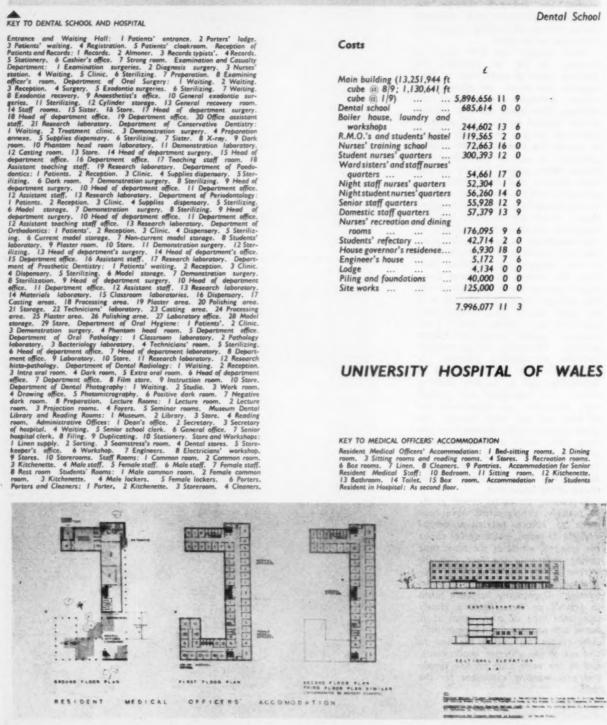
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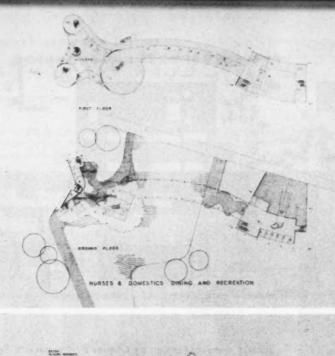
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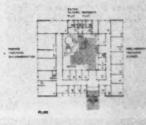
UNIVERSITY HOSPITAL OF WALES

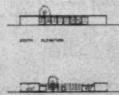
KEY TO MEDICAL OFFICERS' ACCOMMODATION

Resident Medical Officers' Accommodation: I Bed-sitting rooms, 2 Dining room, 3 Sitting rooms and reading rooms, 4 Stares, 3 Recreation rooms, 6 Box rooms, 7 Linen, 6 Cleaners, 9 Pantries, Accommodation for Senior Resident Medical Staff; 10 Bedroom, 11 Sitting room, 12 Kischenette, 13 Bathroom, 14 Toilet, 15 Box room, Accommodation for Students Resident in Hospital; As second floor,



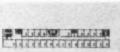












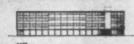
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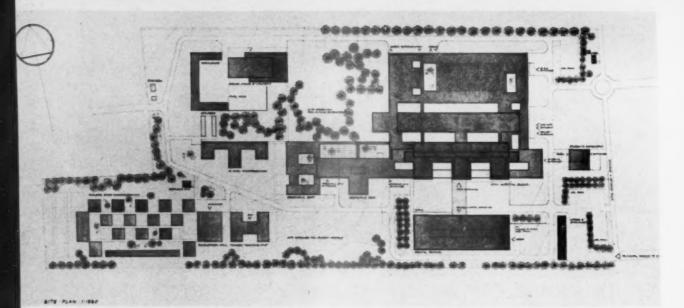
BLOCKS



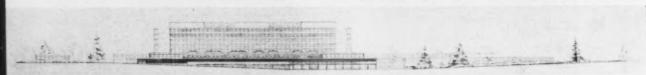




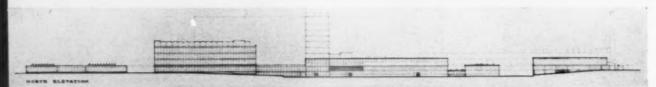




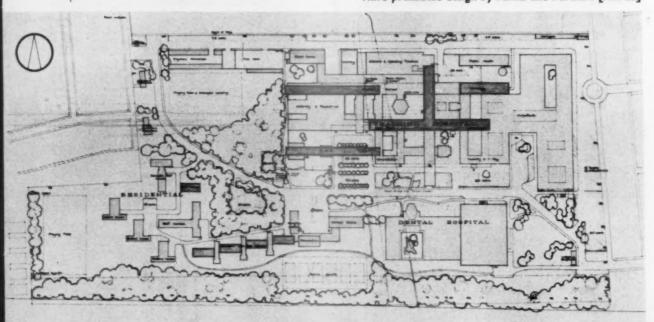
Second premiated design by Charles B. Pearson and Son [No. 29] Charles E. Pearson in association with, George R. Lovell and Peter P. Lund



UNIVERSITY HOSPITAL OF WALES



Third premiated design by Farms and Partners [No. 25]



DESIGN FOR THE HAIRDRESSER

Architect: KENNETH GIBSON of the Richard Henry Design Unit

Two designs for the Richard Henry Organization to contain the important activity of feminine hair styling. A sculptural piece "Hair and Hands" by John McCarthy in the entrance of the Baker Street training centre depicts the end purpose



A display window giving basic information about the Richard Henry Organization

TRAINING CENTRE IN BAKER STREET, W.I

As a result of the success of the first Richard Henry Training Centre in Sloane Street, housed in premises originally operated as a hairdressing salon, it was decided at the end of 1958 to acquire more suitable accommodation. Baker Street was selected as an ideal location for the project, and a lease was taken on two adjacent shop units, having an area of nearly 6,000 sq ft.

Design Principles

Whilst there was a desire to simulate as far as possible the design of a Richard Henry hairdressing salon, it was realised that this was an educational and training establishment. Most of the atmosphere and decorative treatment to be found in the salon is missing, but the design principles of the various units have been retained. Materials were selected for their functional qualities rather than decorative effect. It was realised that these premises would be subject to hard usage. There is a deliberate avoidance of too much colour, this being pro-

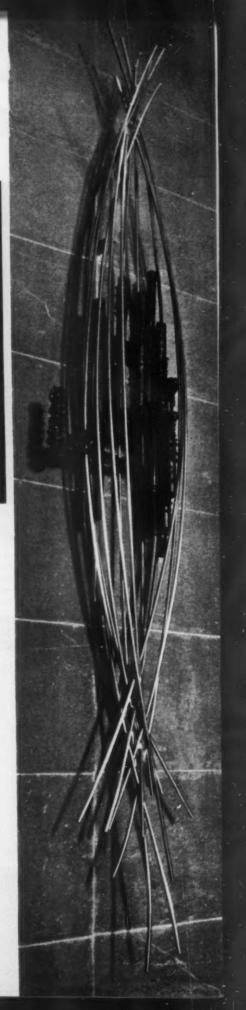
vided by the users rather than by the background. The entire layout has been designed to provide for the student rather than the model client.

This training centre can accommodate 150 full time students, and also serves as a meeting centre for the Richard Henry Hairdressing Organization. It permits four separate classes to be conducted simultaneously, with lectures, discussions, practical working and the projection of photographs and films

Working Areas

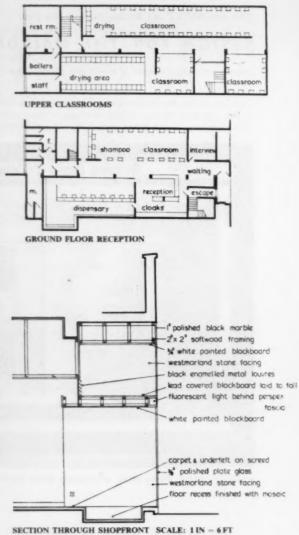
The working areas are set out to a module of 3ft 9in, this dimension being related to a shampoo position, a dressing position and two drying seats.

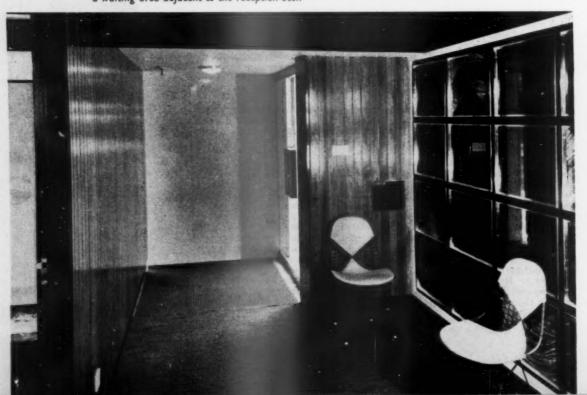
Dressing tables have full height mirrors held back by steel angle sections which carry the footrest and support brackets for the shelf boxes. Between mirrors are plastic faced wall panels. Most other wall surfaces are finished with plastic panels or leather-cloth, and exposed corners are protected with steel angles.





Above, the entrance from Baker Street. This front is treated as a full height recessed opening with the entrance lobby and display window projecting (see detail right). Below, a waiting area adjacent to the reception desk





Shopfront Design

The ground landlord's approval stipulated that the shopfront design should incorporate a display window, to give a continuity of retail trading to the street. It was decided that such a window should present an informative display and be a continuation of the interior interview room.

The front is treated as a full height recessed opening with an entrance lobby and window projecting. The flanking walls are faced with green Westmorland stone, the left hand side forming a projection which carries a metal sculpture. The rear of the opening is faced with vertical teak cladding, into which an emergency escape door is inset. Double glass doors and the glazed display area are separated by a slab of white Sicilian marble.

Above the lobby canopy are ventilation louvres, and a concealed run of cold cathode tube illuminates the main soffit at night.

Staff Accommodation and Services

Staff rest rooms are to be found at the rear of the lower ground floor, with windows on to a service road. A full height steel locker is provided for every student, and machines are installed to dispense hot drinks, soup and iced drinks.

3,000 gallons of cold water storage is available in tanks above the ground floor ceiling. The water is heated by a Potterton Gas Boiler.

A forced inlet and extract ventilation system can completely change the air in the premises in under four minutes and a recirculation system heats the air when necessary.

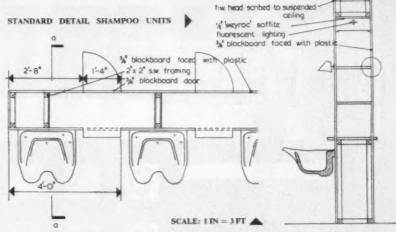
Costs

Total cost of job £23,000 (5,850 sq ft). Cost per foot super 78s. Cost per foot cube 10s.

TRAINING CENTRE

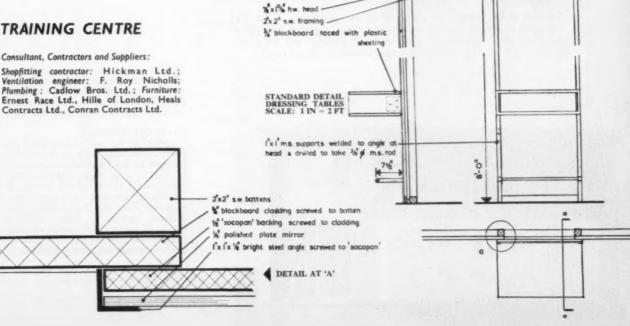
Consultant, Contractors and Suppliers:

Ernest Race Ltd., Hille of London, Heals Contracts Ltd., Conran Contracts Ltd.

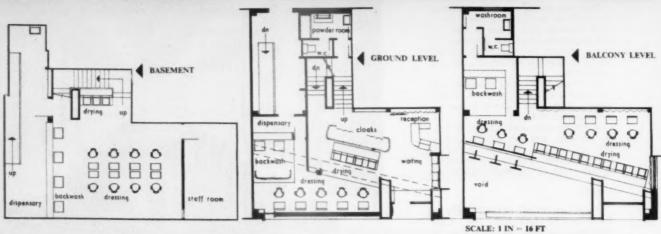


One of the classrooms with drying units at the far end. A detail of the dressing tables is shown below. Being a training centre, most of the atmosphere and decorative treatment to be found in a salon is missing, but design principles of the various units have been retained



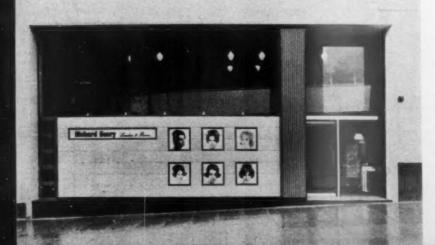






HAIRDRESSING SALON AT PLYMOUTH

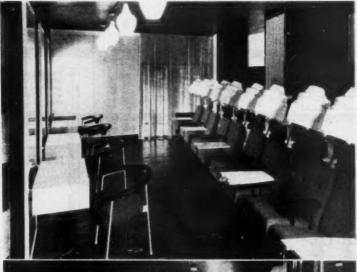
Top and below, night and day shots of the shopfront. A 7ft high wall gives privacy to the working area, but above, a glazed area affords daylight for both this and the upper floor. This solution was the subject of great controversy at the design stage (see text on facing page)



THIS salon is a recent addition to the ever growing Richard Henry group. The accommodation for fortyfive clients is planned on three levels, each working as a self contained unit.

Interior Design

Great use is made of curtaining on many of the wall surfaces, a desirable contrast to the hard uncompromising surfaces of glass, plastic and tiles. The main colour theme of the interior is introduced in these less permanent materials and in the chair covers, other surfaces generally being neutral. Shades of green in the carpet, dressing chair covers, curtains and table shelves, harmonize with the natural materials—





balcony level. The top picture shows a ventilation shaft in front of the balcony faced with marble on both sides. Heat from dryers is extracted through the aluminium grille. Right, a shampoo cubicle on the ground floor. Polished pine slats screen this area from

GROUND FLOOR DETAIL

the street. Coarsely textured photomurals provide neutral coloured pattern. Key details on the plan to the left may be seen on page 708

Above, two views of a salon at

coloured pattern. Key de the plan to the left may on page 708

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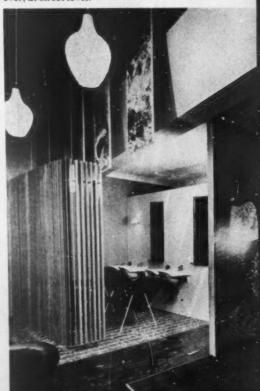
wood and marble, and the scheme is enriched by brilliant red Replin on the drying seats and by red shot-silk curtains behind the reception desk.

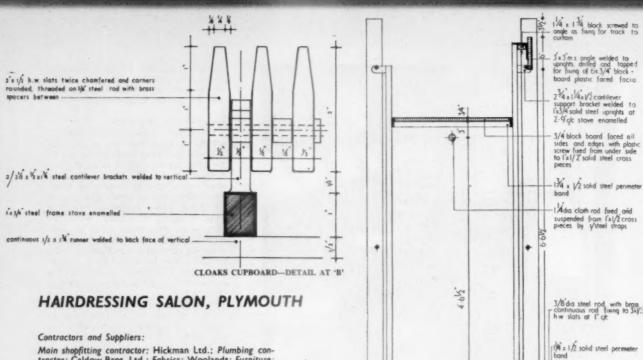
Shopfront Design

The design of the shopfront was the subject of great controversy with the Authorities. They opposed the use of the solid screen wall, it being in their opinion, unsuitable for a shopping street, and likely to discourage shoppers from walking down this side of the street. This suggested "break in retail shopping continuity" would be harmful to other traders was the contention. The formal application for planning consent was refused and the project came to a standstill. However, after further discussion with the Authorities, permission to proceed was obtained.

A hairdressing salon of this character has no need of the usual display window—a service is being sold, not a product. The interior space must be used to the greatest advantage, and in a site such as Plymouth, where the dimension of the frontage to the street was considerably greater than the depth of the shop, it is necessary to bring the working area right up to the building line. This must obviously be screened from the view of passersby, and in many cases, the answer is a solid front in part. This treatment is opposed by many Authorities who are required to give consent to a design, and a glass shopfront is insisted upon, even if it is then backed up internally with a screen wall. This answer has, of course, many snags when it comes to cleaning and maintenance.

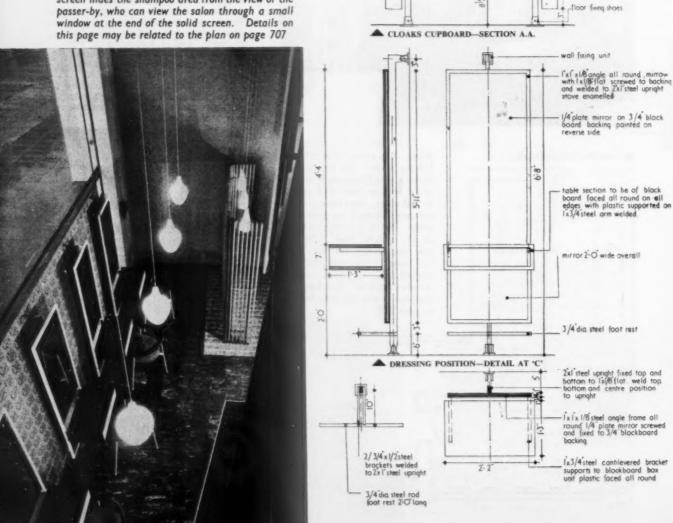
The shopfront installed is a careful play of solid and void, with the greater part in fact an open front, if not however, at street level.





Main shopfitting contractor: Hickman Ltd.; Plumbing contractor: Caldow Bros. Ltd.; Fabrics: Woolands; Furniture: Ernest Race Ltd., Hille of London; Tiles: Carters.

A view from the balcony of the ground floor working area immediately behind the pavement line; dressing tables stand out from a wall faced with decora-tive tiles (see detail right). A glass window gives transparency above the screen wall while a slatted screen hides the shampoo area from the view of the passer-by, who can view the salon through a small



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A COMPLETE RANGE OF

3 LEVER LOCKS

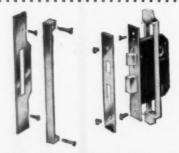
at a NEW LOW COST



- 144 differs off levers alone (standard).
- 350 differs off levers (if required).
- 3,500 differs available off levers and wards.
- Follower holes brass bushed.
- Forend-armoured brass upper and steel lower.
- Deadlock bolts reinforced with hardened steel pins.
- Key—in line with "contemporary" design, the key is light and attractive—of nickel-plated steel, with nylon-covered shank to give durability and self-lubrication at the point of contact with the lock. Conforms with British Standard 2088 ("Performance Tests for Locks": Tests 7c (II) and 7d).

This new range of 3-lever mortice locks enables you to specify greater security at a most moderate cost. The range—which includes both horizontal and upright type locks, two deadlocks and a sliding door locking latch—covers every need for a mortice lock.

Master keying. The locks can be master keyed in suites to include sub-masters, sub-grand masters and grand masters . . . and because all differs come from levers alono, a greater degree of security is assured. Literature. If you have not already received your copy of the booklet giving full specifications, write to the address below.



THE YALE REVERSIBLE REBATED FOREND SET

This set enables Yale 3-Lever Mortice Locks and all other standard Yale plain forend mortice locks to be converted into fully rebated locks. The set is completely reversible for left or right hand, inward or outward opening doors.

Where there's a door there's a need for



Industrial Notes

- The English Joinery Manufacturers' Association state that considerable interest has been shown in their announcement of the new range of E.J.M.A. standard bedroom units. In the initial stages, not all licensed producers under the E.J.M.A. Certification Trade Mark will be in a position to supply these units. Copies of lists, prepared by the Association of those licensed producers who intend to manufacture the units, can be obtained from Sackville House, 40 Piccadilly, London, W.I.
- Eastwoods Ltd. have declared an interim dividend of 5 per cent on their ordinary stock in respect of the year ended March 31, 1960. It is expected that a final dividend of 12½ per cent will eventually be recommended making a total distribution for the year of 17½ per cent less tax, compared with the previous year's distribution of 15 per cent. Preliminary estimates indicate an increase of over 50 per cent in the group profits before deducting taxation.
- The British Plaster Board (Holdings) Ltd. have decided that the semiannual dividend of 3½ per cent actual, less tax, on the company's 7 per cent cumulative preference shares of £1 each will be paid on Thursday, June 30, 1960.
- Dimplex Ltd. of Millbrook, Southampton, have now installed a permanent display of their electric heating appliances and water radiators at the Building Centre, 26 Store Street, London, W.C.1.
- An exhibition of Modern Decorative Enamels, sponsored jointly by the Vitreous Enamel Development Council and Ferro Enamels Ltd., will be held at the Woodstock Gallery, 16 Woodstock Street, London, W.1. from June 13 to July 1, 1960. Coloured panels, plaques and bowls designed by Edward and Thelma Winter of Cleve-land, Ohio, will be displayed and 40 large photographs will show the many applications of enamel to architectural installations made by the Winters in recent years. The exhibition will be open daily from 10 a.m. to 6 p.m. and on Saturdays from 10 a.m. to 1 p.m. In addition, Edward Winter will give illustrated lectures at the Building Centre, the Royal College of Art and the Royal Society of Arts in London on June 15, 16 and 29 respectively, and at the Institute of Vitreous Enamellers in Birmingham on June 21. Respective times for these lectures are 6 p.m., 2.30 p.m., 6 p.m. and 7 p.m.
- Mellowes & Co. Ltd., patent glazing and metal windows manufacturers,

- show a net profit for 1959 of £95,960, compared with the previous year's result of £115,741. A final dividend of 13½ per cent has been proposed, together with a one-for-one scrip issue. The total distribution for the year will be 20 per cent, an increase of 1½ per cent.
- Mr. John W. Whitehouse has been appointed chairman of the board of Metal Products Co. (Willenhall). In addition, Messrs. John J. T. Whitehouse, Alfred C. Whitehouse and James T. Whitehouse have been appointed directors of the company.
- Mr. S. Baker has succeeded Mr. F. G. Phipps as director in charge of production of Davy & United Engineering Co. Ltd.
- Richard Crittall & Co. Ltd. show a group profit, after taxation, for 1959 of £141,055, compared with the 1958 result of £140,407.
- Brown Bayley Ltd. show a group net profit for 1959 of £189,118, compared with the 1958 result of £160,264. A final dividend of 9½ per cent is to be paid, making a total distribution for the year of 12 per cent, less tax.
- F. McNeill & Co. Ltd. show a group net profit for 1959 of £54,078, compared with the 1958 result of £109,651. The directors attribute the substantial decrease in profits to the decline in profits earned by their cable interests including Drawn Wires Ltd.
- Newmans Tubes Ltd. show a net profit for the year to January 31, 1960, of £90,746, compared with the previous year's result of £51.879. A final dividend of 20 per cent has been proposed.
- The North British Rubber Company show a net profit for 1959 of £8,908, compared with the previous year's result of £9,143. Once again there will be no ordinary dividend.
- Kango Electric Hammers Ltd. show a net profit for 1959 of £46,064, compared with the previous year's result of £31,566. A dividend of 15 per cent has been proposed, together with a golden jubilee bonus of $2\frac{1}{2}$ per cent.

CORRECTION

On page 370 of the A. & B.N. of October 28, 1959, the name of the glazing sub-contractors for the Church Hall of the Ascension at Brighton was incorrectly given as Cox & Barnard (Hove) Ltd. The sub-contractors were, in fact, George Freeman Ltd., of Brighton.



New front entrance at Copperad Ltd., showing glass and glazing carried out by Aygee Ltd. Architects: Devereux & Davies, F/F.R.I.B.A.

Part of 1,600 sq ft of Alaflor aluminium grid flooring at the Glenkinchie Distillery of Scottish Malt Distillers Ltd.



NEW PRODUCTS

In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements to existing ones. Any advantages claimed for a product are from information supplied by the manufacturer

New Sealocrete Paints

Sealocrete Shieldcoat is a gloss paint based on chlorinated rubber that will not saponify even when applied to alkaline surfaces. It is claimed to be resistant to attack by acids and alkalis and to be suitable for giving a good decorative finish. It has been approved for use by the U.K. A.E.A., Harwell, and is also suitable for application in offices, works and chemical factories. Sealocrete Barriercoat is a corrosion inhibiting primer based on calcium plumbate for application to metal surfaces before a final coating of Sealocrete Shieldcoat or any other desired paint finish. The makers' technical publication No. 20 applies to these two

Sealocrete Products Ltd., Atlantic Works, Hythe Road, London, N.W.10. Ladbroke 0015.

Readers' Information Ref. A. Date 1/6/60.

P.V.C. Surface Hardboard

Polypanol-H/F decorative P.V.C.

surface hardboard has now been

generally released to the market and is

available in 10 plain colours, five wood

grains and eight printed patterns. It

may be used for wall linings in cara-

vans, boats, etc., or for partitioning, ceiling panels, flush doors, furniture

panels and exhibition stands. Three

grades are produced, standard, light-

weight semi-flexible (LW) and flame

resistant (FR). It is claimed that the

surface will not scratch or rub off and

can be easily cleaned with soap and water or mild detergent and that colours are fast. Polypanol-H/F can be manipulated in the same way as good quality hardboard with the usual joinery tools. It can be fixed with synthetic rubber type adhesive of the contact bonding variety, and either screwed or pinned into position. When fixing a number of full-size panels side by side, a gap of about 1/16in should be left between panels to allow for expansion. Thicknesses: Standard in and in, LW 2mm, FR in. Sheet sizes: Standard (in) 8ft by 4ft, 12ft by 4ft, 10ft by 4ft. 9ft by 4ft, 6ft by 4ft, 5ft by 4ft, 4ft by 4ft; Standard (ain): 8ft by 4ft and 4ft by 4ft. LW: 10ft by 4ft, 8ft by 4ft and 5ft by 4ft. FR: 8ft by 4ft. Prices for 100 sheets and over range from 1s to 1s 7d per sq ft.

Plastics Marketing Co. Ltd., Buckhurst Avenue, Sevenoaks 55187. Sevenoaks, Kent.

Readers' Information Service, Ref. B. Date 1/6/60.



New Lighting Columns (C)

"Dal" aluminium street lighting columns have the complete instrument chamber moulded in Cellobond polyester resin and glass fibre. aluminium tubes, converging just below the lighting fitment, pinion the chamber to the ground. The chamber-door opening is 20in by 5in and the internal depth, 4in. It has a semicircular runnel down each corner so that the tritubular aluminium structure

fits tightly round the chamber and the tubes are bedded into a concrete base. Overall height: 17ft 6in. Weight: 28½ lb.

Dalbukirk Street Furniture Ltd., New Street Chambers, New Street,

Birmingham, 2.
Readers' Information Service, Ref. C. Date 1/6/60.



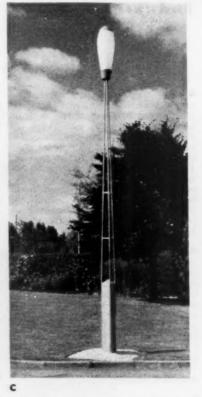
Contemporary Lamp Holders (D)

The IOOO range of contemporary lampholders and battenholders were a prize winning exhibit at the recent A.S.E.E. Exhibition. They feature a coarse threaded (18 TP1) interior which obviates thread binding. types have a stout brass lampholder barrel riveted to the interior and are in accordance with the latest supplement to B.S. 52. They are made of heat resistant material and obtainable in black, white and dove grey. The range consists of pendant types with automatic cord grip with or without earthed barrel, locked cord grip and TRS entry, also threaded top type lampholders, battenholders and combined block and battenholders. battenholders have easy front wiring with self-locking interiors whilst the combined block and battenholders have an integral backplate complying with I.E.E. Regulations 207G.

Nettle Accessories Ltd., Sales Division, Warren Street, Stockport, Cheshire. Stockport 7155. Readers' Information Service,

Ref. D. Date 1/6/60.





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fixing and workmanship

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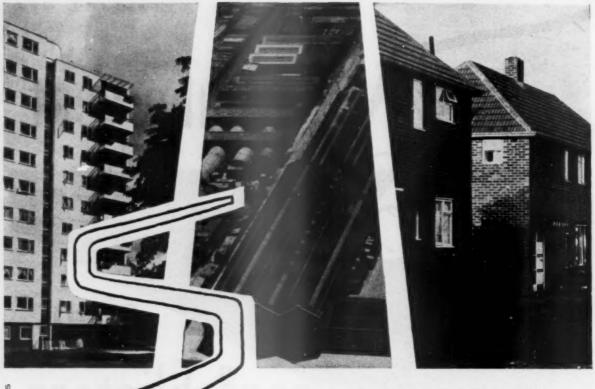
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The new '800 range'

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Gunmetal Fitting

Made entirely from gunmetal and bronze, for maximum resistance to corrosion, the new Kontite Type 'B' flared fitting can be supplied in a large variety of forms and with any combination of ends. The outstanding features include:

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- * New flare angle of 16° gives substantial support to tube end.
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- * Annular ridge on the jointing face of the fitting, beds into the tube and gives additional seal.



For fully illustrated catalogue of Kontite fittings write to:

KAY & COMPANY (ENGINEERS) LTD - BOLTON - LANCS - TELEPHONE: BOLTON 3041

London Office: 36 Victoria Street S.W.1 Tel: ABBey 2144

NEW PRODUCTS (continued)

Aluminium Ladders (E)

Aluminium ladders of new design are now being made by this company. They are claimed to be lighter and stronger than any existing ladders and for this purpose incorporate patented U sections combined with metal mass (illustration) at the union of rungs and stiles. The breadth of the stile section varies according to the length of the ladder, to ensure a sectional area that will provide optimum tensile strength over the total length of the ladder. The stile is composed of two U sections with bulbed rims facing inwards to each other. The rungs are fluted to give a non-slip tread and are rivetted at each end to extruded sections facing inwards to each other. These assemblies are rivetted to the two U sections forming the stile. The range includes



step ladders, lean-to's and combined step and lean-to models. Of particular interest is type 23/404, a four-section ladder which can be extended to a total length of 48ft 6in and which can also be used as a step ladder at a height of 23ft 3in and folded down to 12ft for storage. Basic dimensions common to all these Lacon ladders are: depth of rungs, 1½in, distance between rungs, 11in, angle of ladder, 15 degrees. Stile depth, 3½in for ladders up to 30ft lin long.

Light Alloy Construction Ltd., Mowden Hall, Darlington, Co. Durham. Darlington 5226.

Readers' Information Service, Ref. E. Date 1/6/60.

P.V.C. Floor Covering

Pegulan multi-layer P.V.C. floor covering, of Continental origin, is now available in this country. It has a top layer of pure plasticized Polyvinyl, fine grained to prevent slip. The semimatt surface is claimed to be nonporous, grease and acid resistant and easy to clean since it does not retain the dirt. Four qualities are made, these being Union, Special, Super and G-Belag. Union is for average light use, Special for shops, general offices and average heavy wear, Super for heavy traffic areas and G-Belag, which has a fabric base designed for acoustical and insulating applications, is specially recommended for hospitals. Pegulan should be laid by recommended laying firms and only Pegulan Adhesive used. All grades are available both in sheet form and as tiles. Colour range—eight plain colours and 14 marbled effects. Sizes—Union (1-5mm thick): sheets 4ft 11in wide by 66ft long; tiles 11½in by 11½in. Special (2mm thick): sheets 4ft 11in wide by 66ft long; tiles 14½in by 14½in. Super (2-5mm thick): sheets 4ft 11in wide by 66ft long; tiles 14½in by 14½in. G-Belag (2-1mm thick): sheets 4ft 11in wide by 49ft 6in long; tiles 14½in by 14½in.

Pegulan Sales Ltd., 48 Heaton Road, Newcastle upon Tyne. Newcastle 65-0375.

Readers' Information Service, Ref. F. Date 1/6/60.

New Portasilos

A new range of Portasilo bulk handling units has been introduced. The new design incorporates a steel base structure with an open base, providing access to weighing mechanism. The bodies of the units are of laminated wood, pheno bonded. The Pullwey phenolic resin weighing mechanism has been modified and a mix counter is fitted to register the number of Pullwey operations together with a canvas sock to the hopper. Automatic press button control is included and the Autofeed can be transferred between Portasilos. The range includes models of 11, 15, 20 and 30 ton capacities, the 11ton model being offered with either dispenser or Pullwey weighing mechanism. The dispenser does not discharge the cement directly into the concrete mixer loading hopper as does the Pullwey. Respective prices: £455 (£365 with dispenser), £525, £595 and £695. Overall measurements: 16ft 33in high by 7ft 11fin wide; 18ft 7fin high by 8ft 3fin wide; 22ft 1fin high by 8ft 34in wide; 28ft 04in high by 8ft 94in

Portasilo Ltd., Blue Bridge Lane, York. York 24872.

Readers' Information Service Ref. G. Date 1/6/60.

New Fluorescent Fittings (H)

Two surface fittings have been added to the Tubalux fluorescent range. These are the T435 and T535 which take one 4ft 40W tube and one 5ft 80W tube respectively. Metalwork in both cases is finished stove enamelled white with lift-out diffuser in moulded opal Perspex. Prices (including Purchase Tax): T435, £14 2s 3d; T535, £15 12s 6d. With switchless start (Polyester filling) T435Q, £15 2s 3d; T535Q, £16 17s 6d.

Troughton & Young (Lighting) Ltd., 143 Knightsbridge, London, S.W.1. Kensington 3444.

Readers' Information Service, Ref. H. Date 1/6/60.



Decorative Polyester Panels

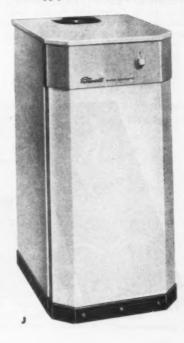
Textiglass panels are made of polyester resins and embody a decorative fabric strengthened by flexible unbreakable, woven glass. It can be either flat or corrugated and is suitable for both inside and outside applications such as false ceilings, partitions, furniture screens, shop fittings and displays, balconies, awnings and advertising signs. The panels can be cut, drilled, screwed, nailed, fixed with adhesive to most surfaces, set in mastic for watertight joints and bent to almost any desired curve. The colour designs are claimed to be impervious to water, sunlight, dust and staining. Textiglass can also be bonded to in blockboard. Sizes for corrugated and flat panels are 34in by 79in, 37½in by 79in and 42in by 79in. When bonded to blockboard, sizes are 47in by 98in and 47in by 31in.

Baxendale & Co. Ltd., 40 Miller Street, Manchester, 4. Blackfriars 8282.

Readers' Information Service, Ref. I. Date 1/6/60.

Automatic Domestic Oil-fired Boilers (J)

Stewart automatic domestic oil-fired boilers provide both heating and hot water supply and are built around the



NEW PRODUCTS (continued)

wall flame burner. There are three models with capacities of 50,000, 75,000 and 100,000 B.Th.U/hr and they are claimed to be silent in operation. The burner is of the motor driven type, capable of operating with continued high efficiency at small home oil rates, and applies heat directly to combustion chamber walls. The flame size can be regulated to meet capacity of the heating plant, thus saving fuel. Consumption of the motor is only as much as a 60W light bulb and neither pressure pumps nor blowers are used. Ignition is intermittent. The boilers can be used with any hot water system-radiator or radiant panels, gravity or forced circulation and for replacement of worn or inefficient boilers. Price (50,000 B.Th.U. model): £135.

Graham Stewart, The Common, Ashtead, Surrey.

Readers' Information Service, Ref. J. Date 1/6/60.



New Formica Colours and Patterns (K)

Eleven new colour/patterns have been added to the standard range of Formica decorative laminates. This brings the total number of available patterns up to nearly 60. Five of the new patterns are wood grains, in both matt and glossy finishes, at 4s 3d per sq ft. These new grains are Macassar Ebony in light, dark and grey shades and Rosewood in dark and bleached effects. Five more are colour variations of the Linette theme, these being Tangerine, Canary Yellow, Autumn Tan, Holly Green and Persian Blue, and finally there is a blue addition to the Capri range, giving the effect of sky

blue and white. The Formica Pantomime Artwork range has also another new colour-way with a design of diamond shapes in three tones, available in red, grey, green-grey, lime green, dark blue and black/white. Three new Artwork table-top designs have also been produced in a thickness of Lin and are illustrated from left to right, Greenwich, Fanfare and Armoury. Greenwich is a design composed of antique time-pieces on a background of dark grey Formica laminate, with the designs reproduced in black, white and gold. Size: 48in by 24in; price: £3 5s. The musical instruments of the Fanfare design are reproduced in black, grey and brown, on a white Formica background. Size: 48in by 24in; price: £2 12s. Armoury has antique firearms reproduced in striped effect of light and dark grey and gold on a white background. Size: 48in by 18in; price: £2 10s.

Formica Ltd., De la Rue House, 84/86 Regent Street, London, W.1. Regent 2901.

Readers' Information Service, Ref. K. Date 1/6/60.

*

New Refrigerator (L)

The Four Point Two electric refrigerator is the first to be produced by Tricity. It has a capacity of 4-2 cu ft, and a shelf area of 9.15 sq ft, whilst the door holds eight pints of milk (or equivalent) plus an enclosed butter/bacon compartment and a foldaway shelf for nine eggs. Four rubber wheels are fitted for mobility and there is a brake lever to ensure stability when in position. The unit is constructed of rust resistant zinccoated steel whilst the vitreous enamel top has a raised edge to prevent spillage of liquid down the sides of the refrigerator. The freezing compartment has a spring-loaded door and a fats tray. There are two removeable shelves and a salad drawer with com-



bined glass lid and shelf. Features: the door when opened does not project beyond the width of the unit; an interior light; and compressor-type unit with start and overload relay. Overall dimensions: 36in high by 21½in wide by 25½in deep (including door handle). Finish: interior—highimpact polystyrene; exterior—white or ivory Epikote hard-wearing enamel. The compressor-type refrigerating unit is guaranteed for five years.

Tricity Cookers Ltd., Thorn House, Upper St. Martin's Lane, London, W.C.2. Temple Bar 2444.

Readers' Information Service, Ref. L. Date 1/6/60.



Plastics Numerals

Tu-Color numerals are made from Alkathene and polystyrene plastics. They consist of a white outer figure and a black inner figure which clips firmly into it with only slight pressure. The outer figure should be screwed in position before the inner figure is pushed into it. Arrangements are being made to extend the range by making a full alphabet of letters. Tu-Color numerals should be cleaned with a damp cloth. Price: 1s each.

Selros Agencies, 129 Stoke Newington Church Street, London, N.16. Clissold 7042.

Readers' Information Service, Ref. M. Date 1/6/60.



Steel Duct Cover

Stelduct is a slender steel section continuous duct cover and frame. It is permanently zinc protected against corrosion and recessed to take a lin tile of filling to match the surrounding floor finishes. The duct covers are non-rocking and almost invisible when fixed.

Broads Manufacturing Co. Ltd., 4 South Wharf, Paddington, London, W.2. Paddington 7061.

Readers' Information Service, Ref. N. Date 1/6/60.

"THE GREATEST ADVANCE IN WINDOWS SINCE GLASS"



WARMTH

QUIET

Three qualities provided in a wide range of handsome Windows designed for handsome Buildings

WARMTH AND QUIET from the insulation of : BEAUTY in Wide Full Vision Picture Windows double glazing framed in selected West African Hardwood

Horizontally sliding panes of Crystal Glass with polished edges glide smoothly in the specially grooved hardwood frames which are treated with a high performance durable sealer. The panes of glass are easily and safely removed for cleaning and maintenance, and the patented "Pierson" two-way locking device ensures freedom from draughts and rattle and offers complete security.

Further particulars can be obtained from the following sole area Manufacturers of the "Pierson" Window in the United Kingdom.

JAYANBEE JOINERY LTD.

High Street, Uxbridge, Middlesex Telephone: Uxbridge 8222

THE MIDLAND JOINERY WORKS LTD.

Burton-on-Trent Telephone: Burton-on-Trent 5721

ALLAN BROS. LTD. Tweed Saw Mills, Berwick-upon-Tweed Telephone: Berwick 7443

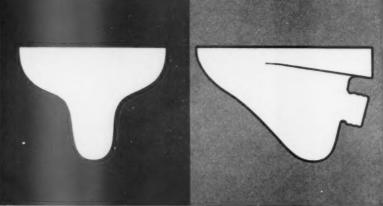
PRICE BROS. & CO. (PENARTH) LTD.

HIDE & CO. (BLACKPOOL) LTD. Squires Gate, Lytham St Annes Telephone: Blackpool 42001

Station Road, Penarth Telephone: Penarth 57255



design



material

The 'Standard' Sanwall closet—wall-hung to facilitate floor cleaning—is a refreshingly simple design. Beneath its glazed exterior is 'Standard' vitreous china, a non-porous material. Even without its glaze it is non-absorbent. No moisture can enter the body material and swell it, making a 'mosaic' of the glaze and so letting in more moisture. 'Standard' vitreous china is a clean material. It is strong, too, and highly resistant to breakage. For fine design in a really clean and durable material, always specify 'Standard' vitreous china.

vitreous china by Standard

CURRENT MARKET PRICES (LONDON)

These prices apply to material purchased in the quantities named or otherwise as might be expected for a new building of moderate size. They include delivery and are the material basis used in the build-up of "Measured Rates" and subject to the conditions heading that schedule. Prices are under careful constant review but should be confirmed.

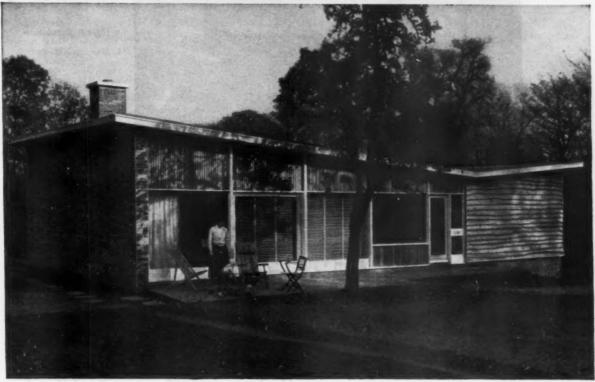
be confirmed.	1 June, 1960
AGGREGATES AND SAND	BRICKLAYERS' SUNDRIES—
1½in—all in—ballast 26/6 Yard cube	AIR BRICKS 9 by 3in 9 by 6in 9 by 9in 12 by 9in
in do. do 27/- delivered	Iron each 2/10 4/7 6/10 9/2
in screened shingle	Galvanized do. do. 4/10 8/- 11/11 14/6 Terra Cotta do. 1/2 2/4 5/7 11/1
tin do. do	Terra Cotta do. 1/2 2/4 5/7 11/1 Chimney pots, Terra 1ft 2ft 3ft 4ft
Sharp washed sand 27/6	Cotta (11 to 24) do. 9/3 16/1 36/9 63/7
Pit sand 24/6	
Building sand 24/-	D. D.TITIONS
Broken brick	PARTITIONS—
1½in shingle	18in by 9in Blocks keyed for plastering Per yd super in 6ton lots 2in 2\(\frac{1}{2}\)in 3in
Culture of more	In colid clinker including any half blocks 3/9 4/4 5/3
BUILDING MATERIALS AS DESCRIBED, CENTRAL	In cellular clinker blocks 3/11 4/7 5/3
LONDON	In hollow clay blocks
CEMENTS packed in paper bags Per ton	Clinker blocks in small quantity 6/4 7/7 8/10
Portland in 6ton lots	Intermediate quantities in all types may be had at intermediate
Do., Rapid hardening (6ton lots) 120/6	prices.
Do. (but 1ton to 5ton 19cwt) 132/6	Smooth in lieu of keyed faces extra cost per side 3d per yd super
Cement "Aquacrete" (do.) 154/6	
Do., "417" or "Polar" (do.)	SINKS-
Do., "White" Iton (lots) 275/6	Fireclay white glazed in and out—standard quality
LIME— 134/6 (Iton loads) deliv'd	24 by 18in 30 by 18in 30 by 20in
Hydrated including 132/- (2/3 do.) do.	London pattern, no overflow,
White Bags 122/- (4/5 do.) do.	6in deep
120/- (6 do.) do.	Belfast, plain edge, 10in deep 90/6 151/3 204/3
DIACTED	
PLASTER— Keenes, coarse, pink	FLUE, LININGS, PLAIN, CIRCULAR (FIRECLAY)—
Keenes, coarse, pink 234/- ton Do. do. white 239/- do.	(UNDER 10) Foot lineal Each Straight Bends
Sirapite, do	9in diameter
Do. finish 183/3 do.	10in do 6/1 18/3
Hardwall, do	12in do
Do. do. white 174/- do.	9in diameter, beaded end, 12in high 6/8
in Gypsum Plaster Lath ex works (600sq yds) 2/3isq yd.	
in Do. do. Wallboard do. 2/6½ do.	FLUE PIPES AND FITTINGS—
3½in Jute scrim (100yd roll) 10/- each	4in 5in 6in
Cow hair (under 3cwt) 61/3 ½cwt	Heavy asbestos type, 6ft length . 18/6 25/6 32/6
FIRECLAY—	Do. 3ft length 9/3 12/9 16/3 Do. bends 10/8
In non-returnable bags (1ton lots) 213/- ton delivered	Light asbestos type, 6ft lengths . 16/- 20/- 25/6
Fire cement 12/3 14lb	Do. 3ft length 8/- 10/- 12/9
BDICVC	Bends
BRICKS BACKING BRICKS (in truck loads)—	Baffler 15/5 18/4 19/4
Flettons 118/- per 1,000 delivered	DRAINIAGE GOODS
Do. Keyed 120/- do.	DRAINAGE GOODS
Do. bullnose 152/6 do.	GLAZED STONEWARE STANDARD LIST (NOV., 1956)
Blue wirecuts (Net) 547/- do. White 202/- do.	OPPUNARY TYPE Forb
White 202/- do. Southwater engineering (Class A) 400/6 do.	ORDINARY TYPE—Each Pipes in 2ft lengths 3/4 5/- 9/-
Firebricks—2½in 95/9 per 100 delivered	Bends 5/- 7/6 20/3
Do. $-3in.$ 115/- do.	Junctions (4in on 4in, 6in on
CTOCK BRICKS	6in, 9in on 9in) 8/4 12/6 27/-
STOCK BRICKS— Mild stocks 205/- per 1,000 at Works	Gullies with 4in outlets 12/6 13/9 22/6
Mild stocks	4in horizontal inlets 4/- 4/- 4/- 4in vertical do 6/- 6/- 6/-
First, do 320/- do.	Black iron grids 1/6 2/10 5/6
Add for delivery—approx. 55 - per 1,000 in lorry loads.	Ajustment to Current Cost
EACINGS (t	2ton lots Less than 2ton lots
FACINGS (ex truck or lorry)— Rustics	2in to 9in diameter or more 100 pieces Under
White 220/- do.	"Best" pipes and fittings. or more 100 pieces
Blue pressed, 2\(\frac{1}{2}\) in (Net) 614/- do.	Percentages to add -15% $+7\frac{1}{2}\%$ $+12\frac{1}{2}\%$
Do. bullnose 633/- do.	Further percentages to be independently added in respect of:
Reds (Multi sand faced) 350/- do.	British Standard pipes, etc., 10. "Best" Tested pipes, 37½.
White glazed stretchers 1696/- do. Do. headers 1670/- do.	British Standard Tested, 47½.
Do. headers	
Do. double stretchers 2053/- do.	IRON DRAINAGE GOODS—
Do. double headers 2173/- do.	Each 4in 6in
Breeze fixing bricks 30/3 per 100	Cast iron pipes, 9ft long 105/9 154/9
Fire tile and lumps 34/- ft cube	Do. 6ft do
Wall ties—8in by ½in by ½in, galvanized 77/3 per cwt	Do. 4lt do
Cement mortar (1:3) hand-	Short bend
made 99/6 yd cube	Junction

CURRENT MARKET PRICES (Continued)

GULLEY PARTS—	Continued 4in	6in		THERMAL INSULATION	board (60	Osq yds)	2/9 s	q yd
Traps, high level, invert Inlet, belimouth pattern Do. with one vertical branch	34/5	93/2 36/3	each	in Do. Do. Lath Do. Do. Wall	lhanad	do.		2/9	do.
Do with one vertical branch	31/7	59/5	do.	Lin Acheetoe (Fully-compres	seed) Sheet			8/4	do.
Do. with two do	85/8	124/8	do.	in Insulating Cork Sl	labs			7/6	do.
Extra for sealed cover	11/-	14/1	do.	in Insulating Cork Si Silicate Cotton	(2ton lots))		1/6 f	cube
RAINWATER SHOES—	4in	6in							
With vertical inlet and rebated top	45/-	90/-			STONE				
Extension piece	19/9	23/9	do.		STUNE				
Flat loose coated grating Loose solid coated cover	6/3	4/8 6/3	do.	Free on rail London Monks Park 10/3 St. Aldho	alma 11/6 a		in bla	-lC 1	76
Loose solid Coated Cover	0/3	0/3	00.	Portland brown Whitbed 9/	10 average	in blo	cks of	25ft cu	/It cu
MANHOLE CHANNELS, WHITE GI		- 6in	9in	Doulting 10/10 Beer 10/6					
Each Straight, 2ft long Taper, do. Bends, main, half section Do., branch, do.	19/2	28/1	47/2					-	-
Taper, do	31/11	31/11							
Bends, main, half section	37/-	53/7	88/-		TIMBER				
Do., branch, do	22/11	31/11 51/-		Softwood-sawn-random	lengths.				
Do., do. three quarters, do	31/11	53/7	-		Des	standa	rd	Per ci	ubic fl
Do., double	42/1	72/8	and the same of	Carcassing quality		£105		1	2/8
201, 404010	Tan/ A	12/0		Joinery quality	£12	5 and	ир	111	3/4
BROWN GLAZED CHANNELS—				Carcassing quality Joinery quality Plain edged unsorting floo per square in Hardboard 4/1 sq yd.	ring 21	- 110	<u> </u> -	138/-	165/-
Based on standard list (less than 10	00 pieces) 4in	6in	9in	in Hardboard 4/1 sq yd. Larger quantities cost less.					
Half-round main channel (2ft long)	2/6	3/9	7/-1						
Extra for stop ends	2/6	3/9	6/9				_	-	
Extra for outlets	5/-	7/6	2000						
Extra for stop ends	7/6	11/3	-	SUNDRIES_	Dia	3	in	6in	9in
Three-quarter section do	10/-	15/-	_	SUNDRIES— Black hexagon bolts, nuts and washers, Each Sashline, hemp, good quali Per yd Run Floor brads Cut Clasp Nails Steel ordinary screws	lin.	11	ld	1/3	1/6
				bolts, nuts and	in	1	4	1/9	2/2
MANHOLE COVERS— 24 by 18in foot traffic Do. Strong do. Do. Light car traffic Do. Road traffic			Black	washers, Each	in	1	10	2/5	3/1
24 by 18in foot traffic		:	31/9 each	Sashline, hemp, good quali	ity }	No	0.6	No. 8	No. 1
Do. Strong do	. ,		58/3 do.	Per yd Run	5	10	0d	1/14	1/5
Do. Light car traffic	* *	1	02/- do.	Floor brads		* *		84/3 p	er cw
Do. Road traffic	* *	1	30/- do.	Cut Clasp Nails Steel ordinary screws 1ir	No 9 2	8 3:-	No 9	6/3)	DET CW
	9/9 16/- 9/- 1/5½	Galvaniz	each do. per lb do.	HARDWOOD. Normal j	joinery qu	2 Do.		17/11 5	gross ft cub
Manhole steps (for 9in)	RIALS Qu	antity		HARDWOOD. Normal j	joinery qu	2 Do.		17/11 5	gross ft cub
Manhole steps (for 9in)	RIALS Qu 1 50	antity 00 to 999	1 to 49	HARDWOOD. Normal j Mahogany, African do. Honduras . Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African	joinery qu	2 Do.		17/11 5	gross ft cub
Manhole steps (for 9in)	RIALS Qu 1 50	antity 00 to 999	1 to 49	HARDWOOD. Normal j	joinery qu	2 Do.		17/11 5	gross ft cub
Manhole steps (for 9in)	RIALS Qu 1 50	antity 00 to 999	1 to 49	HARDWOOD. Normal j Mahogany, African do. Honduras Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African	joinery qu Square et do. do. Sawn Lo. do.	ality.		17/11 5	gross ft cub
Manhole steps (for 9in)	RIALS Qu 1 50	antity 00 to 999	1 to 49	HARDWOOD. Normal j Mahogany, African do. Honduras Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African	joinery qu	ality.		17/11 5	gross ft cub
Manhole steps (for 9in)	RIALS Qu 1 50	antity 00 to 999	1 to 49	HARDWOOD. Normal j Mahogany, African do. Honduras Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African	joinery qu Square ed do. do. Sawn Lo. do.	ality. dge OARDS		Per i 3 6 7 8 4 4 2 2	gross fit cub 0/- 0/- 66/- 84/- 12/- 17/6
Manhole steps (for 9in) 4in Mica valve fresh air inlets Plumber's hemp Gaskin, caulking Canvas backed hair felt, 4in wide ROOFING MATE WELSH SLATES (delivered)— Full Load Sizes in inches per 1,6 22 by 11 2246 20 by 10 2021 18 by 10 1413 16 by 10 1120 14 by 9 Damp Course 668	Qu 1 50 1 50 1 50 1 50 1 6 2 1 6 2 1 1 1	antity 00 to 999 er 100 65/- 37/6 64/6 31/- 70/9	1 to 49 per doz 39/- 35/- 24/3 19/3 10/6	HARDWOOD. Normal j Mahogany, African do. Honduras Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African BUIL Description 16mm Birch blockboard	joinery qu Square ed do. do. Sawn Lo. do.	ality. ality. ogs Rai		Per i 3 6 7 8 4 4 2 2	gross fit cub 0/- 06/- 84/- 12/- 17/6
Manhole steps (for 9in)	Qu 1 50 1 50 1 50 1 50 1 6 2 1 6 2 1 1 1	antity 00 to 999	1 to 49	HARDWOOD. Normal j Mahogany, African do. Honduras. Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African BUIL Description 16mm Birch blockboard 22mm do. do.	joinery qu Square ec do. do. do. Sawn Lo. do.	ality. dge OARDS		Per 1 3 6 7 7 8 4 4 4 2 2 Unit Per 100	gross fit cub 0/- 66/- 88/- 44/- 12/- 12/- 12/- 0ft
Manhole steps (for 9in)	Qu 1 50 1s 0000 pe 1-2-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	antity 00 to 999 rr 100 65/- 37/6 64/6 31/- 70/9 31/-	1 to 49 per doz 39/- 35/- 24/3 19/3 10/6 4/9	HARDWOOD. Normal j Mahogany, African do. Honduras Teak, Burma and Siam Walnut, Australian Oak, English do. Yugoslavian Walnut, African BUIL Description 16mm Birch blockboard 22mm do. do. Austrian Mahogany faced	joinery qu Square ed do. do. Sawn Lo. do. do.	ality. dge ogs Rai 208 255		Per i 3 6 7 8 4 4 2 2	gross fit cub 0/- 66/- 88/- 44/- 17/6 25/-
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ELECTRIC FLOOR-WARMING

PIFORMATION SHEET



'The Orchard,' Bramcote, Notts.
Designed by R. H. Eberlin, Dip. Arch., A.R.I.B.A.

Electric floor-warming in an architect's own house

'The Orchard' was designed by the architect for his own use. Wanting the most efficient system of space heating, he chose electric floor-warming, consisting of heating cables embedded in the floor screed. Thermostatically controlled, and using only 'offpeak' electricity, the system maintains a constant background warmth equivalent to 60°F in the living rooms, and 50° to 55°F in the bedrooms, on a total loading of 11.1kW. The total floor area in the house comprises 1,363 sq. ft., and the floor-warming is laid under three different types of floor finish—cork, linoleum, carpet and underfelt.

Running costs In the first year of operation, the electric floor-warming, together with the electric water heating (all the other services in the house are electrically operated too!) consumed 17,943 units, costing £56.1.5. Thus a family of four enjoyed all the advantages of complete home comfort and constant hot water, all year round, for just over a pound a week!

Other advantages With electric floor-warming, all the chores connected with conventional heating are eliminated. No stoking boilers, ordering or storing fuel. No ash removal. There is nothing to see, for no radiators or pipes mar the rooms. There is no dirt; nothing to stain walls or ceilings. The heat is evenly spread throughout the rooms, and causes no draughts. More than that, the installation costs are much less than other kinds of space heating installation.

If you are planning new houses for comfort and efficient warmth, ask for details from your Electricity Board, or write for free booklet to the Electrical Development Association.



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BERGER HOUSE, BERKELEY SQUARE, LONDON, W.1. — Telephone: MAYfair 4641

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Alternatively complete Batley Up and Over Doors can be supplied in ribbed Aluminium Alloy (£20) or exterior grade Mahogany Ply (£19), or Roller Shutter doors in selected timber laths.

Generous Trade Terms available

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CURRENT MARKET PRICES (Continued)

ee hinges (japanned) 12in 18in 24ii	20:	200	CHAIN LINK FENCING— In 25 yards lineal rolls inclusive of line wire.
ce hinges (japanned)	n 30in	36in	2in mesh Height in inches—
per pair 2/- 3/10 — Oo., but stronger, per	_	-	36 42 48 60 72 10½in wire gauge . 129/- 150/6 172/- 215/6 258/3
pair 3/4 6/1 8/	3 —	-	12½ do 90/- 104/9 119/9 149/9 179/9
ook and Ride hinges, per pair		24/10	14½ do 62/9 73/6 83/6 104/9 125/6
OLTS—each— 3in 4in 6in	Bin 10in	12in	DOUBLE SOOT DOORS AND FRAMES—
Cabinet, barrel, straight or necked 1/11 2/3½ 3/1		-	Fitted with brass turn- buckle and cast key 9in by 9in 12in by 9in 14in by 12in 26/6 38/6 66/3
Square spring, with brass knob 1/11 — —			buckle and cast key 26/6 38/6 66/3
Tower bolts — 2/7 3/8	4/11 6/2		SLIDING DOORS, GATES AND PARTITIONS—
Barrel bolts — 3/10 5/6 Add to Tower or Barrel	7/3 9/4	11/5	Factory sliding doors in two leaves containing
	1/3 1/3	1/3	about 100sq ft with mild steel angle frames covered with 24 gauge corrugated galvanized
OCKS—each—			sheeting and including hanging tubular track and gear complete
Rim lock, 2 lever, wrote case, brass bolt and bushing 13/6 or Bak	iture elite do	5/-	Factory entrance gates with mild steel frames
Bakelite fi	nger-plates	2/8	clad with 2in mesh chain link complete 16/6 do.
Mortice lock, 2 lever, bushed 13/6 Brass furn	lite do	8/9	
Cylinder latches, japanned case		16/9	STEEL ROOF LIGHTS—
Brass sash fastener	. each	5/- 1/8	In Skylights and Lanterns, Standard type with puttyless glazing, lead flashings, and \(\frac{1}{2}\)in rough cast glass; in the case of Lanterns
o, stavs (do.)	. do.	2/3	18in vertical sashed sides are provided in addition.
axle pulleys (brass face, iron wheel) 14in	do.	3/3	Size at Base 6ft by 4ft 8ft by 6ft 10ft by 8ft Skylights £35 5 £50 10 £69 10
Oo. as last, but with brass wheel 14in ash line, No. 8 Anchor, yellow label	. do.	4/11 d 1/24	Lanterns £55 £76 5 £110
			HIGH CRADE DOMESTIC BOILERS
METAL GOODS			HIGH GRADE DOMESTIC BOILERS— Coke Fed. Performance 20 to 40 gallons raised from 40°F to
British rolled steel joists ex mills to basis sections			140°F per hour as under. TYPE £ s. d.
on site (6in by 5in, 8in by 5in or 6in, and 10in or 12in by 6in)	£42/10/0 r	ner ton	20 gallons per hour
Extra cost over basis for following sections—	2.2/20/01		15in wide, 23in high Enamel finish 11 10 (25 gallons per hour
9in or 18in by 7in, 14in by 51in, 15in by 5in,			17in wide, 26in high Do. Grey Mottle 20 10 0
14in or 15in or 16in or 18in by 6in, 20in by			Do. Cream Mottle 22 0 0
6½in, 20in by 7½in, 10in or 12in or 14in or 18in by 8in	10/- 1	per ton	40 Gallons per hour 22in wide, 30in high Do. Cream Mottle 38 0 (
5in by 44in, 7in by 34in, 13in by 5in	15/-	do.	
12in by 5in, 22in by 7in 6in by 41in, 7in or 8in or 9in by 4in, 10in by	20/-	do.	GAS, WATER AND STEAM TUBES
	25/-	do.	
			BASIC PRICES
	30/-	do.	Internal in &
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in	30/- 35/- 40/-	do. do. do.	Internal $\lim_{\substack{\text{Diameter} - \\ \text{Tubes per ft}}} \lim_{\substack{\text{din} \\ \text{din} \\ \text{din} \\ \text{din} \\ \text{dod}}} \lim_{\substack{\text{din} \\ \text{din} \\ \text{din}$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in	30/- 35/- 40/- 50/-	do. do. do.	
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4½in by 1½in	30/- 35/- 40/-	do. do. do.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in	30/- 35/- 40/- 50/- 65/- 70/-	do. do. do. do.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0	do. do. do. do. do. do.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 3in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0	do. do. do. do. do. do.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0	do.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 3in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton Âin or Âin diameter in size Âin 3in by 1½in diameter	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0	do.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4½in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton 2in or 2in diameter in size 2in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1½in 3in by 1½in 3in by 1½in, 4in by 1½in lin mild steel reinforcing rods ex mill d/d Extras per ton ¼in or ½in diameter in size ¾in ½in ½in ¼in ¼in ¾in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4½in by 1½in 3in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton 2in or ½in diameter in size 2in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 62/6 92/6 132/6	do. do. do. do. do. do. do. do. do. do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ½in ¾in ¾in ¾in ¾in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6	do.	Internal Diameter— \$\frac{1}{2}\tin \frac{1}{8}\tin \frac{1}{2}\tin \frac{1}{8}\tin \frac{1}{2}\tin \frac{1}{8}\tin \frac{1}{2}\tin \frac{1}{8}\tin \frac{1}{1}\tin \frac{1}{1}\tin \frac{1}{1}\tin \frac{1}{2}\tin \frac{1}
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ½in ¾in ½in ¾in ½in ¾in Ætin ¾in Extras for length 5ft to 3ft 3ft to 2ft 2ft	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6 172/6	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 4in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton Âin or ¾in diameter in size Âin Âin Âin Êxtras for length 5ft to 3ft 3ft to 2ft	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ½in ¾in ½in ¾in ½in ¾in ½in ¾in ½in ¼in ½in ¼in ½in ½in ¼in ½in ½in ¼in ½in ½in ¼in ½in ½in ½in ¼in ½in ½in ¼in ½in ½in ½in ½in ¼in ½in ½in ½in ½in ½in ½in ½in ½in ½in ¾in ½in ½in ½in ½in ½in ½in ½in ½in ½in ½	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 132/6 172/6 15/- 22/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton 2in or ½in diameter in size 2in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 92/6 132/6 172/6 7/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1½in 3in by 1½in 3in by 1½in 1in mild steel reinforcing rods ex mill d/d Extras per ton 2in or 2in diameter in size 2in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 62/6 92/6 132/6 172/6 7/6 15/- 22/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ½in ¾in ½in ¾in ½in ½in ¾in ½in ½in ½in ¾in ½in ½in ½in ½in ½in ½in ½in ½in ½in ½	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 62/6 132/6 172/6 7/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 3in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton Âin or ¾in diameter in size Âin Âin Âin Extras for length 5ft to 3ft 3ft to 2ft 2ft 40ft to 45ft 45ft to 50ft Bolts and Nuts French covering, including trays 1¼in deep and rebated frames, 9in wide Do., but 12in wide Do., but 12in wide	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 62/6 132/6 172/6 7/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 3in 4¾in by 1½in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ½in ¾in ½in ¾in ½in ½in ¾in ½in ½in ½in ¾in ½in ½in ½in ½in ½in ½in ½in ½in ½in ½	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 62/6 132/6 172/6 7/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 4in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton Âin or ¾in diameter in size Âin Âin Âin Extras for length 5ft to 3ft 3ft to 2ft 2ft 40ft to 45ft 45ft to 50ft Bolts and Nuts Trench covering, including trays 1¾in deep and rebated frames, 9in wide Do., but 12in wide Do., but 14in wide Do., but 18in wide	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 62/6 132/6 172/6 7/6 15/- 22/5 112/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 3in by 1½in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton 2in or ½in diameter in size 2in	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 32/6 132/6 172/6 7/6 15/- 22/5 112/- 1 25/-1 27/- 30/- 30/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 15/- 30/- 22/6 13/- 30/- 22/6 13/- 30/- 22/5 13/- 30/- 22/5 13/- 30/- 22/5 13/- 30/- 30/- 30/- 30/- 30/- 30/- 30/- 3	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 4¾in by 1¾in 3in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ¾in ¾in ¾in ½in ¾in ½in ½in ¾in ½in ½in ¾in ½in ½in ¾in Extras for length 5ft to 3ft 3ft to 2ft 2ft 40ft to 45ft 45ft to 50ft Bolts and Nuts Trench covering, including trays 1¼in deep and rebated frames, 9in wide Do., but 12in wide Do., but 14in wide Do., but 18in wide METAL SUNDRIES Cast iron pavement lights with 4in by 3in prism and convex lenses in alternate rows	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6 172/6 7/6 15/- 22/5 112/- 1 25/-1 30/- 33/-	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 3in by 1¾in 3in by 1½in, 4in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ¾in ¾in ¾in ¾in Extras for length 5ft to 3ft 3ft to 2ft 2ft 40ft to 45ft 45ft to 50ft Bolts and Nuts Trench covering, including trays 1¾in deep and rebated frames, 9in wide Do., but 12in wide Do., but 18in wide METAL SUNDRIES Cast iron pavement lights with 4in by 3in prism and convex lenses in alternate rows. Iron single fire doors, panelled both sides, pivo	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6 172/6 7/6 15/- 22/5 112/- 1 25/- 30/- 30/- 30/- 15/- 30/- 30/- 62/- 692/- 132/- 15/- 22/- 30/- 30/- 22/- 30/- 22/- 30/- 30/- 30/- 30/- 30/- 30/- 30/- 30	do.	Internal
4in by 3in, 10in by 4½in 5in by 2½in, 5in by 3in 6in by 3in, 24in by 7½in 3in by 1¾in 4¾in by 1¾in 3in by 1¾in 1in mild steel reinforcing rods ex mill d/d Extras per ton ¾in or ¾in diameter in size ¾in ¾in ¾in ¾in ½in ¾in ½in ½in ¾in ½in ½in ¾in ½in ½in ¾in Extras for length 5ft to 3ft 3ft to 2ft 2ft 40ft to 45ft 45ft to 50ft Bolts and Nuts Trench covering, including trays 1¼in deep and rebated frames, 9in wide Do., but 12in wide Do., but 14in wide Do., but 18in wide METAL SUNDRIES Cast iron pavement lights with 4in by 3in prism and convex lenses in alternate rows	30/- 35/- 40/- 50/- 65/- 70/- £41/0/0 15/- 30/- 62/6 92/6 132/6 172/6 7/6 15/- 22/5 112/- 22/5 112/- 30/- 33/- 33/- 33/- 33/-	do.	Internal

CURRENT MARKET PRICES (Continued)

CURRENT	M	ARI	K E	T .
PLASTERIN Sand, lime, cement and various			riously in	ncluded
under those heads— Metal lathing (‡in by 24G) (Plaster baseboard ‡in (1,200 Lath nails, galvanized White glazed tiles (6in by 6in l Do. rounded on one edge Do. on two adjoining edges	20 yards)	works	4/- sc	yard
				-
PLUMBE 4lb lead sheet (in Iton lots) Lead water pipe in coils (do.) Plumber's solder Copper tacks		::	3/7 1	do
RON SOIL AND WASTE PI	PE. (5cv	vt lots and	d up)	
RCN SOIL AND WASTE Pleach fain Medium pipe, 6ft length. Do., 4ft length. Bends Do., with oval door Juntion, single Do., with oval door Swan necks, 4½in Do., 9in Holderbat, 2½in projection	2in 14/6 10/5 5/4 17/4 6/6 18/6 6/6 8/8 5/9	3in 17/2 12/2 6/6 18/6 9/8 21/8 10/3 11/9 5/11	3½in 19/3 13/7 8/1 21/1 11/3 24/3 11/9 13/9 6/3 above pli	4in 21/11 15/5 9/1 24/7 13/3 26/3 13/9 16/1 6/4 us 25%
GALVANIZED CISTERNS, (Less than three) each		AND C		
CISTERNS Bends over tops and corner		Nomina	1 canaci	Iv
plates Rivered or welded				A comment
14 gauge	174/- 211/- 241/-	235/- 292/- 339/-	295/- 344/- 399/-	417/- 464/- 542/-
HOT WATER TANKS Riveted and with hand hole and ring 12 gauge in plate	20 147/- 165/-	25 151/- 168/-	30 164/- 184/-	40 190/- 211/-
HOT WATER CYLINDERS- Riveted, with handhole and ring 12in gauge lin plate	20 166/- 181/-	25 182/- 200/-	33 203/- 221/-	39 219/- 240/-
PLUMBER'S BRASSWORK,				
Ball valves, screwed iron Do., fly nut and union	½in 1/8 2/4 1/3 2/6 14/2 15/2	2/2 2/11 1/8 4/2 22/3 24/-	lin 3/4½ 5/4 1/11 4/1	1½in 5/9 7/6 2/1 7/3
Bib valves, crutch top screwed iron Do., but screwed boss Stop valves, screwed iron Do., screwed iron and union Do., double union Waste, plug chain and stay	8/9 10/- 7/9 9/6 10/9	12/9 14/6 10/6 13/9 15/6	28/6 30/- 8/6	
Caps and screws	1½in 4/6	1½in 5/6 	2in 7/- 7/8 4/8	4in 10/10 9/-
Thimble	-	3/10	5/-	10/7
Lead 7lb P. trap Do., S. trap Lead 6lb P. traps with 3in s Do., but S. traps, do. Wire balloon guards, coope Do., galvanized iron, 2in 1/ Hair felt 34in by 20in, 24oz Boss white jointing compour Gasket, 1/104lb. Hemp, 9/	er, 2in, 2/ 4; 4in 1/ c, 6/- shound, 2/3lb	et	1½in 9/5 11/7 9/8 12/2	2in 13/3 16/3

-	OPPER	TURES-	-Extract	from	RS	659/1955_

	Internal	work (se	3cwt lots		
Nominal bore	Outside diameter	Gauge	Weight lb per ft	Price per lb	Price per ft
½in	0.596	19	0.27	pence 441	12.02
in in	0.846	19	0.39	421	16.68
1in	1.112	18	0.62	411	25.58
1½in	1.362	18	0.76	401	30.88
1½in	1.612	18	0.91	40	36.98
2in	2.128	17	1.40	421	59.15

CAPILLARY TYPE CONNECTIONS—

A ALL WATERS OF	pper to	copper					
Each		in	in	1in	1±in	14in	2in
Straight	**	1/51	1/103	2/10}	4/01	8/01	11/63
Elbow		3/4	4/14	5/61	8/71	13/113	28/6
Tees	**	4/14	4/8	6/94	11/34	19/41	28/6
Brackets (1	Brass)	2/104	3/5	3/104	4/01	6/54	7/61

GLASS

		Per i	foot supe	rficial
English, flat drawn sheet glass cut to siz	203	24oz	26oz	3201
in squares		114d	1/21	1/64
Figured rolled, white cut to \ Group 1		1/21	Per ft su	per
sizes, in squares (†in) Group 2		1/81	do.	
Ditto, but in standard tints		2/11	do.	
in Rolled, cut to size, in squares		1/24	do.	
in rough cast do		1/51	do.	
in do. wired do		1/91	do.	
Georgian wired do		1/91	do.	
Fluted (No. 1) do		1/81	do.	
in Reeded		2/47	do.	
in Reedlyte (narrow and broad) do.		1/71	do.	
Splotlyte do		4 (79.1	do.	
in Calorex Cast do		1/8	do.	
Flashed Opal (15/18oz) up to 1ft super	* *	4/2	do.	
do. do. over lft super		5/-	do.	
Pot Opal (15/18oz) up to 1ft super		4/2	do.	
do. do. over 1st super		5/-	do.	

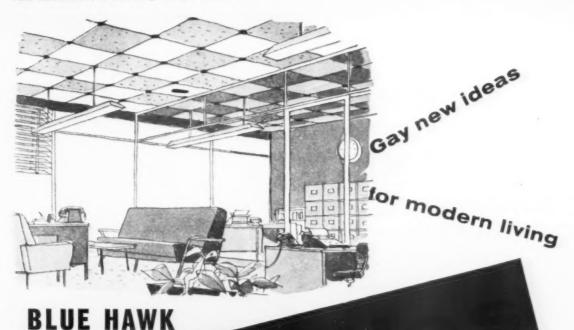
POLISHED PLATE GLASS (Tariff) Cut to sizes.

Ordinary substance Per Superficial ft In plates not exceeding		and	‡in thic	ek.	General	Glazing
2ft super in each						4/7
5ft do						5/7
45ft do. (unless extra	sizes)					6/9
100 ft do. (do.)						7/4
With the state of	2.5	2 *	1000		1 (0)	

Extra sizes, i.e., Plates exceeding 100ft super or 160in one way or 96in both ways at higher prices.

DECORATING MATERIAL Price Unit

						Price	Unit	
Aluminium	Paint					42/-	Gallon	
Distemper,	ceiling					39/-	Cwt	
Distemper,		e				120/-	do.	
Enamel (eg						52/-	Gallon	
Gold Metal						79/-	do.	
Heat Resist						40/-	do.	
Japan, blac						35/-	do.	
Knotting						40/-	do.	
Linseed Oil						14/9	do.	
Boiled, do.						15/6	do.	
Proprietary						1-		
Finishing						57/6	do.	
Priming (lea						57/6	do.	
Undercoat	au ouse)					59/-	do.	
Paperhange						36/6	Cwt	
Petrifying li			**			9/6	Gallon	
Putty			**	* *	* *	52/6	Cwt	
Size		* *	* *	* *	* *	12/3	Firkin	
Terebine	* *		* *	* *	* *	22/-	Gallon	
	and hatitus			* *	* *		do.	
Turpentine			* *		* *	6/5		
Varnish, oa			use	* *	* *	39/-	do.	
Do., do., o				* *	* *	41/-	do.	
Do., white,			* *			50/-	do.	
White lead	mixed p	aint	* *	**		66/6	do.	
White lead		**				167/6	Cwt	
Whiting	* *	* *	* *	**	* *	13/3	do.	



sparkling, plastic-covered ceiling and wall tiles

Bright colourful ceilings . . . gay attractive walls . . . patterns that can be arranged and re-arranged at will . . . Blue Hawk VARITILES bring extra depth and warmth to every room.

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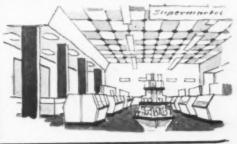
BRITISH PLASTER BOARD

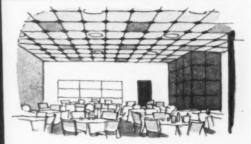
BATH HOUSE 82 PICCADILLY, LONDON, W L. TELEPHONE: GROSVENOR BHL.



PRODUCTS







the advantage

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Lightweight loadbearing insulating buildi

in curtain wall construction



Architect: Reginald H. Gallannaugh L.R.I.B.A. Consulting Engineers: Bylander, Waddell & Partners Contractors: Tersons Limited.

a case in point

In Petrofina House an inner leaf of 4" Thermalite blocks has been used to sill height. A cavity of approximately 2" is provided between it and the curtain wall glazing.

Thermalite, thus employed, more than adequately fulfills the L.C.C. construction bye-laws. It provides a fire resistance superior to that of the 81 inch brickwork which would be needed to comply otherwise, thereby increasing valuable floor space.

Numerous other advantages are attendant upon its use. Reduced dead loads have enabled all-round structural savings in beam column and foundations; direct fixing of radiators and other internal fittings without plugging has been made possible. Added to these items, and the considerable saving which can be inferred are the improved comfort conditions and reduced fuel costs which automatically follow wherever Thermalite is used.

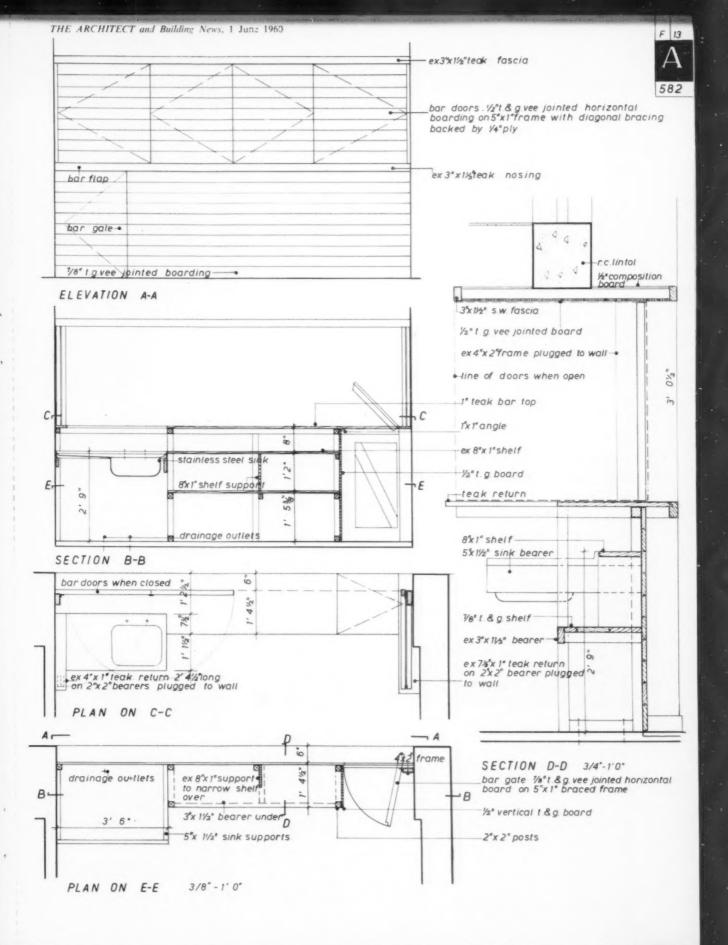
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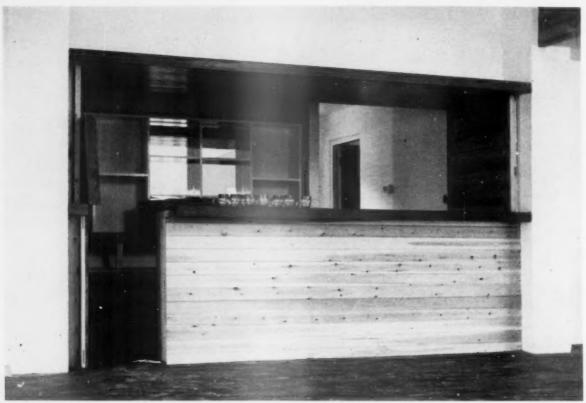
THERMALITE YTONG LIMITED

Hams Hall, Lea Marston, Sutton Coldfield, Warwickshire. Telephone: Coleshill 2081.











The bar counter in the Club Building at Rushbrooke has been designed so that when the double-hinged doors are closed, the panel thus formed does not give much indication of the bar behind it, and the club room can thereby be used for various different purposes. The tongued and grooved boarding is finished with a proprietary wood seal, the teak fascia and counter are oiled. The brickwork and the concrete lintel have been painted white. Architects: Richard Llewelyn Davies and John Weeks

BAR COUNTER, RUSHBROOKE



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Contract

News

WORK IN PROSPECT

Enfield B.C. The Housing Committee has approved (1) a plan for six flatlets and two houses at Seaford Road, (2) a site layout for two four-bedroom and 14 three-bedroom houses at Worlds End Lane. Both submitted by the borough

engineer.
The Ministry of Education has approved the proposal for a county primary school for about 280 children at Hadley Wood.

Hampshire C.C. The Planning Committee has granted planning permission for (1) factory and office accommodation for Havant Metal Polishers, (2) factory for Kenwood Manufacturing Co. Ltd., 1 and 2 in New Lane, Havant, (3) factory and offices for Haulgo Ltd., in Downlea Road, Havant, (4) additional factory premises for Tampax Ltd., in Dunsbury Way, Leigh Park.

The Civil Defence Committee are to spend £2,695 on garages at the Alton and Eastleigh Civil Defence Training

The following projects are included in the county council's minor building programme for 1960-61:—(1) Additional teaching accommodation at Meonstoke C.E. (Controlled) School. Cost £2,500. (2) Assembly hall, boiler house, stores and services at Worting County Primary School. Cost £14,920. (3) Temporary Classrooms at Farnborough Farnbill.

classrooms at Farnborough Fernhill County Secondary School. Cost £3,000. The County Roads and Bridges Committee are to build a divisional office at the road depot at The Borough, Petersfield. Estimated cost £6,000.

The Home Office has agreed to the erection of a court house and offices at Basingstoke. Provisionally estimated cost £36,000.

Hertford B.C. has approved a plan for 68 houses, 19 flats and maisonettes, and 42 garages at Horns Mill.

Islington B.C. The Housing Committee has approved a proposal for the repair and conversion of four houses in High-New Park. J. Godfrey Gilbert, F.R.I.B.A., is to prepare specifications, plans, etc.

Larne, Co. Antrim. The East Antrim Hospital Management Committee is to erect a medical block at Moyle Hospital. Estimated cost £100,000.

London C.C. The Education Committee has approved (1) a scheme for additional teaching accommodation for the Northern Polytechnic. Cost £701,165. (2) Proposals for improving Peckham Manor School. Estimated cost £11,271.

The Housing Committee is to provide a six-storey block of 24 flats, four-storey block of 12 maisonettes, 18 tenants

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£107,300.

The Town Planning Committee have granted conditional planning permission for a revised scheme of development for the Stag Brewery Site in Victoria. Two office blocks, a 16-storey residential block, 27-storey tower block of offices, restaurant, petrol filling station, multistorey car park and welfare centre.

Nottinghamshire C.C. Plans for the occupation centre at Retford have been revised to comply with suggestions of the Ministry of Health. Revised estimated cost £55,910.

Portsmouth C.C. The Education Committee has approved the provision of a science laboratory at North End Modern School for girls. Gross cost £6,500.

The Health and Housing Committee has approved the erection of (1) 15 flats at Grove Road North. Cost £27,594. (2) 15 flats in Chelsea Road. Cost £27,594. (3) Eight flats at Harrow Road. Cost £12,701. All submitted by Mr. V. H. Dye. (4) Six flats at George Street. Cost £9,337, submitted by J. C. Nicholls Ltd. (5) Six flats at Percival Road. Cost £9,526. (6) Six flats in Inverness Road. Cost £9,526. Both submitted by Mr. John Day.

Tyrone C.C. are to erect an old people's home at Omagh. Estimated cost £100,000.

Watford C.C. Erection of eight or nine shops with flats above at Leavesden Green.

SUBMISSIONS FOR PLANNING AND BYE-LAW APPROVAL

Ayr Corporation. Plans submitted for (1) seven-apartment house and garage at Baird Road. Estimated cost £7,500. (2) Four-apartment house and garage at Cambusdoon Drive for Mrs. Janet Lowe. Cost £4,500. (3) Five-apartment house and garage at Auchendoon Crescent for A. J. H. Gordon. Cost £6,200. (4) Five-apartment house and garage at Baird Road for James M. Anderson. Cost £6,000. (5) Extension to factory at Seaforth Road for James Dickie & Co. (Drop Forgings) Ltd. Cost £7,000. (6) Construction of 73 four-apartment houses for Edward Ecrepont & Son Ltd. Estimated cost £225,000. (7) Extension to shop in Alloway Street for R. S. McColl Ltd. Cost £2,000. (8) Five-apartment house and garage in Victoria Park Road for William S. Clark. Cost £6,500.

Barnet C.C. Plans submitted for 24 flats and garages in Moxon Street by Mr. Howard Sharpe for George Reed (Builders) Ltd.

Bexhill-on-Sea Corporation. Plans submitted for (1) conversion of No. 57 Manor Road into three semi-contained flats for Mrs. H. F. Gibbs. (2) Conversion of No. 51 Cantelupe Road into five semi-contained flats for Larkin Holdings Ltd. Outline applications for

(1) shops with flats at Pear Tree Lane for Mr. F. Walter. (2) Shops and dwellings in Ninfield Road for John Lovibond & Sons. (3) Two four-storey blocks of eight flats in Fairmount Road for Elton Securities Ltd.

Chelsea Corporation. Plans submitted for (1) conversion of No. 69 Cadogan Place into one flat and three maisonettes. (2) Conversion of No. 59 Hans Road into seven semi-contained flatlets and one semi-contained maisonette. (3) Petrol filling station in Lots Road. (4) Five-storey building for shops and a flat in King's Road. (5) Students' hostel and teaching block at the College of St. Mark and St. John, King's Road.

City of London Corporation. Plans submitted for (1) addition on the roof, for use as offices, in Shoe Lane for the Evening Standard. (2) Rebuilding of war damaged Block "U" for use as offices and showrooms at Brooks Wharf, Upper Thames Street. (3) Office building with shops in Cheapside, Bow Churchyard and Bread Street and including basement car park in Cheapside, Bread Street, Watling Street, Bow Churchyard, Star Court and Bow Bells House.

Ealing B.C. Plans submitted for (1) two semi-detached houses and eight one-unit garages in St. Mark's Road, W.7. (2) 129 flats and maisonettes and 100 one-unit garages in Ruislip Road, Northolt. (3) Extension to pasteurizing room at the London Co-operative Society depot, South Ealing Road, W.5. (4) Extensions to pavilion at sports ground of J. Lyons & Co. Ltd., Greenford Road. (5) Two-storey office block extension in Aintree Road, Perivale. (6) Extension to provide additional showroom and two semi-contained flats at Matodor Service Station, Boston (7) Completion of station Road, W.7. buildings at Northolt Station, Mandeville Road. (8) Public convenience in Bilton Road, Perivale. (9) Alterations to provide four semi-contained flats and non-semi-contained bed-sitting room units in Montpelier Avenue, W.5 (10) Extensions to Christ Church junior Church of England school, The Broadway, W.5. (11) Eight flats and four garages in Windsor Road, W.5. (12) Shop with two semi-contained flats over and three garages in Dorchester Road, Northolt. and three garages in Dorchester Road, Northolt. (13) 19 garages in Ealing Road, Northolt. (14) Alterations and additions at Brent Foundry, Studley Grange Road, W.7. Outline applications for (1) metropolitan police hostel in Towdel Road, Northolt. (2) Demolition of existing buildings and erection of building with public house and show-rooms in The Mall, W.5. (3) Demoli-tion of existing building and erection of an office block in Northfield Avenue. W.13 (4) 28 flats with 20 one-unit garages and ancillary buildings in Haydock Avenue, Northolt Park.

Enfield B.C. Plans submitted for (1) internal alterations to factory in Lockfield Avenue (Hilyn Works). (2) Alterations and extensions to abattoir at Lavender Hill, submitted by James Nielson. (3) Layout plans for two semi-detached houses with garages, and five detached houses with garages for Geo. W. Newman. (4) Extension to factory in Great Cambridge Road for Gor-Ray Ltd., submitted by A. M. Freeman. (5)

Extensions to works in Great Cambridge Road for Chaseside Motor Co. Ltd. (6) Two-storey store room for electrical equipment at Bridge Works, Southbury Road, for Belling & Co. Ltd. (7) Single-storey extension to office block in Millmarsh Lane for Enfield Standard Power Cables Ltd., submitted by Douglas & J. D. Wood. (8) 10 flats in Queens Road for Campion & Dickins. (9) Alterations and extensions to factory premises in Millmarsh Lane for E. Osmond Ltd., submitted by Bowyer & Bowyer & Bowyer & Southbury Road, submitted by Bowyer & Bowyer, (10) Office building at Crown Works, Southbury Road, submitted by A. J. Fowles. (11) Three-storey block of six flats, two-storey block of six single person flatlets and 22 garages in Laurel Bank Road for A. C. Nicholas. (12) Factory in Alexandra Road for S. V. Carter. (13) Use of land for eight shops, six flats, 11 garages and three detached houses with garages in Crescent West for D. S. Craig. (14) Two additional classrooms at Enfield Grammar School, Market Place, for Middlesex C.C. (15) School meals kitchen at Chase Boys' Secondary School, Churchbury Lane for Middlesex C.C. (16) Warehouse and batch mixing house in Lockfield Avenue for Davey & Moore Ltd. (17) Extensions in Southbury Road for Tobex Paint Co. Ltd. (18) Factory extension in South Street for United Flexible Metallic Tubing Co. Ltd. (19) Formation of four ward kitchens and erection of lift at St. Michael's Hospital, Chase Side Crescent. (20) Five-storey office block in Great Cambridge Road for Jamelson Property Co. Ltd. (21) Branch library and rates collection office in High Street, Ponders End for the B.C.

Glasgow Corporation. Plans submitted for (1) additional storey to single-storey office building at Strachur Street North-West for Lambhill Ironworks Ltd.; (2) blacksmith's shops at Clydebrae Street for Harland & Wolff Ltd.; (3) extension to form two-storey office block at 250 Alexandra Parade, for Alexandra Transport Co. Ltd.; (4) alterations to bank premises and formation of new shopfront at Alexandra Parade for the Governors & Company of the Bank of Scotland; (5) single-storey office block at Hazlitt Street for the Expanded Metal Co. (Scotland) Ltd.; (6) clinic at Craigmuir Place for the Corporation Health & Welfare Department.

Greenwich B.C. Planning applications submitted for (1) conversion of Nos. 24 & 26 Vanbrugh Hill into three semi-contained flats; (2) reinstatement of ground floor of war damage "Prince Arthur" public house, 173 Greenwich High Road; (3) erection of 10 houses and nine garages at Blackheath Park with new access to garages' yard off Brooklands Park; (4) removal of existing wing and erection of new extension at Ursuline Convent, Crooms Hill; (5) extension to light industrial premises at Brookes Crystals Ltd., Lassell Street; (6) erection of two blocks comprising eight two-bedroom flats and two one-bedroom flats, and a range of six garages at the rear of St. John's Park; (7) extension to warehouse at premises of United Glass Bottle Manufacturers Ltd., Anchor & Hope Lane; (8) erection of police station on corner of Burney Street and Royal Hill; (9) two buildings at premises of Enterprise Aluminium Foundry, Norman Road for use as core shop, fettling shop and stores and ancillary offices and toilets; (10) erection of canteen and welfare block on site of "The Stowage".

Hastings Corporation. Plans submitted for (1) demolition of "The Beacon", St. Mary's Terrace and erection of nine maisonettes in three blocks with garages for Mr. W. E. Richards, per A. S. Laffin, Messrs. Dowling & Co. Ltd. (2) Two three-bedroom detached houses with garages at "Towerscroft", Harrow Lane, conversion of "Towerscroft" into two units and extension of existing cottage to provide additional bedroom for the Francis Group of Companies, per Ronald Salmon & Partners. (3) Petrol filling and service station in Winchelsea Road for Shell-Mex & B.P. Ltd. Outline application for (1) three-storey block of six flats with six garages for Mr. W. K. Young, Prowting Estates Ltd.

Hove Corporation. Plans submitted for (1) sports pavilion at Nevill Playing Field, Nevill Avenue. (2) Extensions and alterations to The Sussex Room at the "King Alfred", Kingsway. Outline application for (1) six blocks of four terrace-type houses, and five pairs of semi-detached bungalows with garages at Hangleton Way, Sherbourne Road and Spencer Avenue.

Hull Corporation. Plans submitted for (1) factory at Oxford Street for Weeks & Co. (Engineers) Ltd.; (2) covered area at Wakefield Street for Wakefield Joinery Co. Ltd.; (3) multi-storey Starch Packing and General Purpose Building at Kingston Works, Dansom Lane, for Reckitt & Sons Ltd.; (4) details of office block at Hedon Road for Town Planning Committee; (5) layout of six shops with maisonettes over, six garages and six stores at Bethune Avenue for the Housing Committee; (6) petrol filling station. Beverley High Road, for Mobil Oil Co. Ltd.; (7) three display windows at Alfred Gelder Street for Marks & Spencer Ltd.; (8) layout and details of four blocks of two-storey buildings with garage accommodation in Cranbourne Street for J. H. Taylor; (9) outline application to erect two three-storey buildings in Linneaus Street for Stepney Contractors Ltd.; (10) outline application for extensions to departmental store at Ferensway for Thornton-Varley Ltd.

Littlehampton U.D.C. Plans submitted for (1) two shops, one lock-up shop and

two flats over at 89-93 Wick Street for J. Walden; (2) 75 houses and 65 garages in Wick Street for Westway Development Co. Ltd.; (3) conversion of No. 35 East Street into three semi-contained flats for W. S. Redman Ltd.; (4) 14 maisonettes in three two-storey blocks with a block of 14 garages at junction of Cove Road and Harsfold Road for G. T. Crouch Ltd.; (5) outline for construction of four flats and three garages in St. Winifrides Road.

Margate Corporation. Plans submitted for (1) bungalows on 10 plots in Clarence Avenue for Palm Bay Estates Ltd.; (2) maisonettes adjoining 63 Cornwall Gardens for W. H. T. Medhurst & Co. (Thanet) Ltd.; (3) 12 semi-detached and eight detached bungalows off Linden Road, Westgate-on-Sea, for T. Wing; (4) block of 32 semi-contained flats and 32 concrete garages at Northdown Park Road for Alderney Construction (1954) Ltd.; (5) 52 dwellings on Queen Bertha's estate, Canterbury Road, Birchington, for Sir Lindsay Parkinson Ltd.; (6) 23 concrete garages at rear of 53 Nash Court Gardens for S. V. Bedford; (7) 12 bungalows and three blocks of 12 maisonettes at Laleham Gardens for Alderney Construction (1954) Ltd.; (8) factory extension at Ramsgate Road for G. A. Harvey Ltd.; (9) outline application to demolish house and erect block of flats, garages and stores for South East Holdings Ltd.; (10) outline to demolish existing buildings and to erect block of flats with garage accommodation for C. Predeth.

Manchester C.C. Planning application submitted for (1) maintenance mechanics workshop, Hendham Vale Works, Harpurhey; (2) factory and offices, Floats Road and Ledson Road, Baguley; (3) covered loading bay to factory, Mill Brow, Blackley; (4) retail furnishing showrooms, stockrooms and staff accommodation. Palatine Road, Northenden; (5) shops, offices and car park, Deansgate and St. Mary's Gate; (6) two-storey workshops and offices, River Street, Hulme; (7) shops and offices, Market Street, extension for the Institution for the deaf, Grosvenor Street, York Street and Boundary Street East; (8) three-storey block and four-storey block of flats and maisonnettes, Wilmslow Road, Withington; (9) research and

office blocks and connecting corridor between 825/827 Wilmslow Road, East Didsbury; (10) seven-storey showrooms and offices, with basement garage, Pine Street, York Street and Faulkner Street; (11) extension to St. Joseph's R.C. Secondary, Girls' School, Victoria Park; (12) rebuilding portion of foundry, Great Ancoals Street.

Morecambe and Heynsham Corporation. Plans submitted for (1) vicarage and garage in Michaelson Avenue for the Church of Ascension. (2) Two detached bungalows in Alston Drive for G. T. Hatton & Co. Ltd. (3) Block of four houses and four garages in Hutton Crescent for C. McMillan.

Newport, Lo.W., Corporation. Plans submitted for (1) 32 flats, at Gunville, Carisbrooke. (2) Alterations and extensions to bakery in Union Street for Weeks Ltd.

Oxford C.C. Plans submitted for (1) two-storey block of eight flats for old people in Merlin Road. (2) Single-storey building for dispatch centre in Garsington Road for Morris Motors Ltd. (2) Construction of mezzanine floor and walls for housing of electrical switchgear in Garsington Road for Pressed Steel Co. Ltd. (3) Sports pavilion and showers at Sports Ground, Abingdon Road, for University College. (4) Workshops and stores at Physical Chemistry Department, South Parks Road. (5) Spectators' stand with changing rooms, restaurant and ancillary services at Iffley Road running ground. (6) Redevelopment to form showrooms, shop and workshop with loading bay in Alfred Street for Russell Acott Ltd. (7) Estate layout of vicarage site, Littlemore Road, and erection of 81 flats and mainsonettes and 81 garages for George Wimpey & Co. Ltd. Outline application for (1) three-storey block of flats in Kenilworth Avenue for Barrington Capel Ltd. (2) Petrol filling station in Cherwell Drive for The Regent Oil Co. Ltd. (3) Three-storey redevelopment of site to provide shops and supermarket with stores and offices over in South Parade for C. R. Paine.



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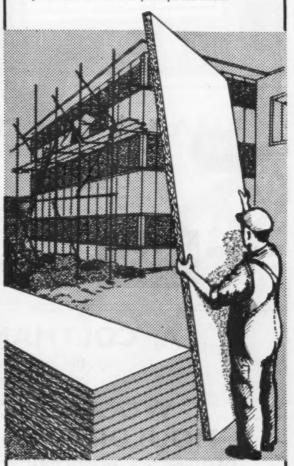
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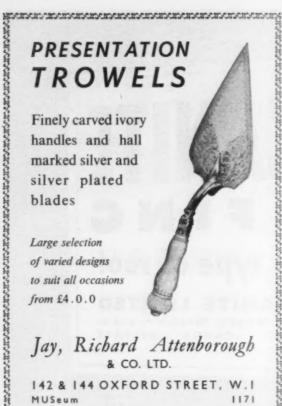
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ASSESSORS :

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Signor Franco Albini, Professor of Interior Architec-

ture, Furnishing and Decoration at the Institute Superiore di Architettura, Venice.

Sir Hugh Maxwell Casson, R.D.I., M.A., F.R.I.B.A., Professor of Interior Design at the Royal College of Art. London

Mr. Raymond McGrath, B.Arch., F.R.I.B.A., F.R.I.A.I., A.R.H.A., M.S.I.A., Principal Architect of the Office of Public Works, Dublin. Mr. K. DeWitt Metcalf, American Library Consultant, formerly Director of Harvard University Library.

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LAST DAY FOR SUBMITTING DESIGNS: 5.0 p.m. on 1st March, 1961.

The conditions, which will be available on 15th June, may be obtained on application to the Competition Registrar, Trinity College, Dublin, Ireland. **DEPOSIT £5**.

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(ii) ARCHITECTURAL ASSISTANT
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be offered to the successful candidates on appointment if they reasonably require accommodation.

Applications, stating age, qualifications, experience and giving the names and addresses of two referees, must reach me by not later than Friday, June 3, 1960.

R. J. BERNIE.

Town Clerk.

Municipal Offices, Ellesmere Port.

16550

The University of Manchester APPLICATIONS are invited for the of LECTURER in ARCHITECTURE of LECTURER in ARCHITECTURE from candidates with professional mem-bership of the Royal Institute of British Architects and not less than three years of practical experience. Salary on a scale (at present under review) £900 to £1.650 per annum; initial salary according to unalifications and experience. Memberper annum; initial salary according to qualifications and experience. Member-ship of the F.S.S.U. and Children's Allowance Scheme. Applications should be sent not later than June 25, 1960, to the Registrar, the University, Man-chester 13, from whom further par-ticulars and forms of application may be **Gloucestershire Education Committee** CHELTENHAM SCHOOL OF

ARCHITECTURE
Pittville Pump Room, Cheltenham
Head of School: Ian H. Abbott, Dip.Arch. (Birm.), A.R.I.B.A.

THE School has recently moved into studios on the upper floor of Pittville P u m p Room—Cheltenham's finest Regency Building—situated in Pittville Park. A vacancy has occurred on the full-time staff for a STUDIO INSTRUCTOR. Applicants for this post should hold recognized qualifications and should have had some years of professional experience.

Salary in accordance with the Burnham Technical Scale, Grade B, £700 x £27 10s to £1,150 p.a., plus additions for appropriate training, qualifications and teaching office experience.

Further information can be obtained from the Head of the School, to whom application forms must be returned by Thursday, June 16, 1960. [6554

METROPOLITAN WATER BOARD ARCHITECTURAL STAFF

APPLICATIONS are invited for the following appointments in the Surveyor's department:

Assistant Architects. Salary scale

(a) Assistant Architects. Salary scale £1,090-£1,210 per annum.

(b) Technical Assistant. Salary scale £700 (at age 21)-£945 per annum.

Commencing salaries within the above scales according to age and experience. Applicants for posts (a) must be corporate members of the Royal Institute of British Architects and should have had experi-

ence in the design, preparation of plans and working drawings and specifications for the erection of houses and offices. Applicants for post (b) must have passed the intermediate examination of Royal Institute of British Architects.

These are permanent pensionable posts offering interesting work with good conditions of service.

Further particulars and forms of applica-tion from the undersigned (quoting ref. A.B. and position applied for) to be

returned by June 16, 1960.
S. D. ASKEW,
Clerk of the Board.

New River Head, Rosebery Avenue, E.C.1.

Bolton and District Hospital Management Committee
APPOINTMENT OF BUILDING SUPERVISOR

APPLICATIONS are invited for the above appointment on the Group Works and Maintenance Staff. Candidates must have served a full apprenticeship followed by experience as a craftsman in an appropriate trade and have had some years' experience as a general fore-man in the carrying out of building con-tracts. Ordinary National Certificate or a comparable qualification desirable.

a comparable qualification desirable.

The person appointed will have responsibility, under the general direction of the Superintendent Engineer, for planning and supervising the building maintenance work of the Group, directing the economical use of the building trade labour, preparing drawings, specifications and contracts for certain minor capital works and keeping such records. capital works and keeping such records as may be required for the proper control of the staff and services for which he is responsible.

Salary scale is at present that applicable to a Group of 60 points and over, viz: £1,000 x £35 (1) x £40 (3)—£1,155 per annum.

Applications, stating age, qualifications and full details of experience, together with the names and addresses of two referees, should be sent to Group Secretary, The Royal Infirmary, Bolton, later than June 11, 1960.

East Riding of Yorkshire County Council APPLICATIONS are invited for the appointment of ASSISTANT ARCHITECTS on the staff of the County Architect.

The salary will be in accordance with Grade A.P.T. IV of the N.J.C. Scales (£1,065 to £1,220 per annum).

Applications giving particulars of qualifications, experience, age, past and present appointments with salaries, together with the names of three referees should be sent to the County Architect, County Hall, Reverleynot later than Saturday, June 11, 1960

Assistance towards removal, lodging and travelling expenses may be granted.
THOMAS STEPHENSON.

Clerk of the Council. [6581

MIDDLESEX COUNTY COUNCIL COUNTY ARCHITECT'S DEPARTMENT

THE County Council has decided to enlarge substantially the staff of this department and it is proposed to make a number of appointments in each of the following grades:

ASSISTANT ARCHITECT, APT V (£1,220 — £1,375) plus London ASSISTANT ARCHITECT, APT IV (£1,065 - £1,220) Weighting up ASSISTANT ARCHITECT, Special Grade (£785 - £1,070) to £45.

JUNIOR ASSISTANT, APT I (£610 — £765) | plus London Weighting up to £40.

The department has in hand a large and interesting programme of works for School Buildings. Technical Colleges, Old People's Homes, Fire Stations and other County Buildings which will be designed under the direction of MR. WHITFIELD LEWIS, F.R.I.B.A., the County Architect. Organization is on a group basis and full scope will be given to Architects who show design ability.

Appropriate professional qualifications are required for all posts and commencing salaries will be assessed according to qualifications and experience. Appointments will be to the established staff subject to medical fitness and prescribed conditions.

Application forms (s.a.e.) from The County Architect, 1 Queen Anne's Gate Buildings, rtmouth Street, S.W.1, returnable by 13th June. (Quote C.585.A.B.N.)

Official **Announcements**

APPOINTMENTS (cont)

DRAUGHTSMAN (ARCHITEC-TURAL) required by Aden Government P.W.D. on contract for tour of 18-24 months in first instance. Salary according to qualifications and experience scale (including Pay Differential) £1,040 rising to £1,844 a year. Supplementary Pay Differential of £96 to £144 a year payable to officers with dependent children. Gratuity at rate of 12½ per cent of total salary drawn. Outfit allowance £60. Free passages for officer and wife. Free passages for up to four children and Free passages for up to four children and allowance of up to £288 annually for cost of education in U.K. Quarters available at reasonable rental. Candidates over 23, must possess G.C.E. or equivalent and have had five years' approved drawing office experience and be capable of preparing all working drawings for general building designs. Knowledge of estate layouts and ability to do simple new designs desirable. Write to the Crown Agents, 4 Millbank, London, S.W.I. State age, name in block letters, qualifications and experience and quote cations and experience and M2B/51033/AF.

Sheffield Regional Hospital Board APPLICATIONS are invited for the posts of ASSISTANT ARCHITECTS on the Board's Headquarters staff. Candidates must be Registered Architects and have passed the requisite examinations. Salary scale £905-£1,310 per annum. Appointment is subject to Whitley Council terms and conditions of service. to the National Health Service (Superannuation) Regulations and to one month's notice on either side. Applications, stating age, qualifications, experi-ence and names of two persons to whom reference may be made, to the Secretary. Sheffield Regional Hospital Board, Fulwood House, Old Fulwood Road Sheffield 10, not later than June 13, 1960.

ARCHITECTS AND ASSISTANTS REQUIRED in an expanding firm of London Estate Developers with interests throughout the country. Top salaries

throughout the country. Top salaries offered with good prospects of advance-

ment. Pension Scheme.

Applicants must be keenly interested in contemporary design with a sound knowledge of construction in housing, flat, shop and office projects. Write details of experience, present salary, etc., to the Chief Architect, Box No. 0207. [6597] 16597

Wiltshire County Council
County Planning Department
'.PPLICATIONS invited for the follow-

preparation of town maps and development control. Preference will be a preparation of town maps and development control. Preference will be a preparation of town maps and development control. Preference will be applicable with the preparation of town maps and development control. Preference will be applicable who are intending given to applicants who are intending to qualify as Associate Members of the Town Planning Institute or an equivalent

qualification.
Written applications giving details of age, education, qualifications and experience, together with the names of two referees, should reach the Clerk of the County Council, County Hall, Trowbridge, by June 14, 1960. [6587] Government of Aden

ARCHITECT
Public Works Department
REQUIRED to design and supervise construction by contract of public buildings, housing and schools.

Contract appointment. Salary rar £1,232-£2,004 per annum plus gratuity. Free passages. Children's allowance Salary range allowances. Furnished quarters at moderate rent. Home leave

Candidates must be A.R.I.B.A.

Write Director of Recruitment, Colonial Office, London, S.W.1, stating full names, age, qualifications and experience, quoting BCD 112/2/03/E1.

Bracknell Development Corporation APPLICATIONS are invited following vacancies in the Chief Architect's Department:-

(1) Architect, salary range £1,065-£1,220. Architectural Assistant, salary range

(3) Junior Architectural Assistant, salary up to £595 (commencing salary according to qualifications and experience).

Superannuation schemes, medical examinations. Housing available. Apply by June 22, 1960, giving age, education and qualifications, experience and appointments held (with dates and salaries). and names of two referees to General Manager (A), Bracknell Development Corporation, Farley Hall, Bracknell, Berks, stating clearly which post is applied for. [6603

Banff County Council ARCHITECTS

to fill the following vacancies within the County Architect's Department.

(a) Senior Assistant. £1,120 x 40—£1,200. Salary

(b) Assistant Architect. Salary scale £795 x 35—£1,075. Applicants for both posts should be A.R.I.B.A., preferably with experience in school building, and should hold current driving. driving licences. Consideration will be given to housing successful applicants and a car allowance will be applicable to the senior post. Applications, stating age, qualifications and experience, etc., together with the names and addresses of three referees, should be lodged with the undersigned within 14 days of this

advertisement A. M. WILSON, A.R.I.B.A. County Architect.

13 Cluny Square.

Sheffield Regional Hospital Board APPOINTMENT OF CLERK OF WORKS

APPLICATIONS are invited for the post of Site Clerk of Works to supervise Major Scheme of Development of the Royal Infirmary costing several million pounds which will be phased over a number of years. Initially the successful candidate may be asked to supervise, in addition, other contracts in the Doncaster Area. Salary will be at rate of £1,200 per

annum. Candidates, who should not be over 45, should have first class experience in handling and supervision of large reinforced concrete structures incorporating complex mechanical and electrical services and including a high

electrical services and including a nign standard of workmanship in all trades. Applications should be forwarded to the Secretary, Sheffield Regional Hospital Board, Fulwood House, Old Fulwood Road, Sheffield 10, not later than June 13, 1960, stating age, qualifications and previous experience. 1694 previous experience.

Borough of Maidstone

APPLICATIONS are invited by June 13 from appropriately qualified persons

(a) Principal Architect, A.P.T. V (£1,220-

(b) Senior Assistant Architect (£1,030-Building Technician, A.P.T. 1 (£730-

(d) Tracer, within General Division (£210-£595).

Consideration will be given to the provision of housing accommodation required and the person appointed to (a) will receive an essential user's car allowance. Applicants for (c) should have a good knowledge of the building trade, particularly administrative estimating and costing.

The appointments will be subject to the

Local Government Superannuation Acts, and to the National Joint Council Scheme of Conditions of Service. Application forms obtainable from the

Borough Engineer, Palace Avenue, Maid-

T. SCHOLES. Town Clerk [6604

County Borough of East Ham ARCHITECTURAL ASSISTANTS A.P.T. I

Salary up to £795 per annum Subsistence allowances may be granted over a reasonable period to the persons appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Further details and application forms, returnable by June 17, 1960, from the Town Clerk, Town Hall, East Ham, E.6.

County Borough of East Ham ASSISTANT PLANNING OFFICER Grade A.P.T. I (£610-£765)

Vacancy in Borough Engineer's Department. London Weighting paid in addi-

Salary above minimum paid according to qualifications and experience.

A subsistence allowance may be paid over a reasonable period to person ap-pointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Details and application form from the Town Clerk, E.6. Closing date June 16, 1960. 16599

Coventry IC IMAGINATIVE ENTHUSIASTIC ARCHITECT required in Housing Division. Programme includes residen-tial redevelopment and multi-storey Salary within £1,065-£1,220. Housing accommodation in approved cases. Removal Expenses Loan availcases. cases. Removal Expenses Loan available. 5-day working week. Canteen facilities. Application forms from Department of Architecture and Planning, Council House, Earl Street, returnable 10 days publication. [6600]

Bracknell Development Corporation APPLICATIONS are invited for the post of ARCHITECT, salary range £1,163-£1,390. Applicants must be Corporate Members of the R.I.B.A. Superannuation schemes, medical Superannuation schemes, medical examination. Housing available. Apply by June 20, 1960, giving age, education and qualifications, experience and appointments held (with dates and salaries), and names of two referees, to General Manager (A), Bracknell Development Corporation, Farley Hall, Bracknell, Berks. [6588]

Official Announcements

APPOINTMENTS (cont)

Hampshire County Council COUNTY ARCHITECT, commencing salary within the scale £3,745 by £135 to

Candidates must be Associates or Fellows of the R.I.B.A. The successful candidate will be required to take up his duties on or about December 12, 1960, and will be prohibited from engaging in private practice. Separation allowance and assistance with removal expenses in approved cases.

Applications stating age, education, past and present appointments, experience, and the names of two referees, should reach the Clerk of the County Council, The Castle, Winchester, by June 30.

CHIEF ASSISTANT'S position becoming available in about two months' time in Architects and Surveyors Office; salary in the range of £850 to £1,000 per annum dependent upon qualifications and experience. Apply in writing to B. Stevens & Partners, 31 Cornfield Road, Eastbourne.

TENDERS

Bodmin Borough Council ERECTION OF 18 BUNGALOWS TRELAWNEY ROAD, BODMIN

TENDERS are invited from competent contractors for the erection of nine pairs of bungalows at Trelawney Road, Bod-

Plans, specifications and details, may be obtained from the Borough Surveyor at the undermentioned address, on the receipt of a deposit of 2gn, which will be refunded upon the receipt of a bona fide tender.

tender. Tenders must be returned in the envelope provided endorsed, "Tender—18 Bungalows, Trelawney Road", to reach the undersigned not later than Monday, June 27, 1960.

The council do not bind themselves to

accept the lowest or any tender.

I. WHITING.

Town Cierk.

Municipal Offices, Priory House, Bodmin. May 17, 1960

[6602

ARCHITECTURAL APPOINT-MENTS VACANT

ARCHITECTURAL ASSISTANTS, Senior and Junior, required by firm in High Wycombe for commercial and industrial schemes. Scope for responsibility and experience. Five-day week. Write Box 7936. [0690

DEVEREUX & DAVIES require capable and enthusiastic assistant architects, salary £1,000 per annum or according to experience and ability.—Devereux & Davies, 3 Gower Street, Bedford Square, London, W.C.1. 10660

LARGE-SCALE development in London and industrial buildings in Home Counties. High office blocks and residential flats. Four Assistant Architects required. Senior and Intermediate standard. West Five-day week. End office. salaries and bonuses. Box 7076. 10380

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FRY, DREW & PARTNERS require qualified assistants for interesting and important work in England. Salary range £750-£1,000. Apply 63 Gloucester Place W.1 (WEL 3318). [6583

ARCHITECTURAL ASSISTANTS. Schweppes Ltd. have a limited number of vacancies in their head office Architect's Department for keen, enthusiastic men of inter, and final standard. This is an opportunity for men of the right calibre to work for an expanding com-pany and its subsidiaries on both new projects and the development of existing buildings, etc. Starting salary range £750 to £1,000 according to ability and experience. Profit-sharing and pension schemes, 5-day week, staff cafeteria. The department is located in a very modern office block adjacent to Paddington Station. Please write full particulars of experience, qualifications, age, etc., to Miss Lister. Personnel Department. Miss Lister, Personnel Department Schweppes Limited, 2 Connaught Place London, W.2.

HIGHER NATIONAL CERTIFICATE candidates and qualified men required by architects responsible for large-scale developments in London and South Wales. The jobs offer considerable scope for good draughtsmen and technologists. C. H. Elsom & Partners, 10 Lower Grosvenor Place, S.W.1. VIC 4304. [654

BUILDING

ESTIMATOR MAY & BAKER LTD.,

Dagenham, Essex, require a Building Estimator (aged 27-35) in connection with development and alteration of industrial and related buildings. Applicants should have not less than five years' practical experience. There is a Pension Fund and Life Assurance Scheme in operation. Apply initially in writing to the Personnel Officer, quoting Reference No. 62/60.

SENIOR ASSISTANT ARCHITECTS AND ARCHITECTURAL ASSISTANTS

i inanananananananananananananan

sired immediately by a progressive and expanding building and civil engineering organisation setting up an ARCHITECTS DEPT. Applicants must have interest in good design, new techniques and materials and be capable of running

Interesting work both at home and abroad.

Write (in confidence) stating age, qualifications and salary required to Box 8944.

ARCHITECTS AND SURVEYORS, Senior and Intermediate standard, required for interesting and varied work in West Country, Apply:-Luca Roberts & Brown, Barnfield Hill, Exeter.

AN ASSISTANT is required in the Architect's Department of Schweppes Limited. This is an opportunity for a keen, qualified architect with an enthusiasm for planning and detail, to work for an expanding company and its subsidiaries on both new projects and the development of existing buildings, etc. Salary according to ability and experience. Profit-sharing and pension schemes, 5-day week, staff cafeteria. department is located in a very modern office block adjacent to Paddington Station. Please write full particulars of experience, qualifications, age, etc., to Architect, Schweppes Limited, Eastbourne Terrace, London, W.2. [6580

ARCHITECTS' ASSISTANTS. Young Men of Intermediate standard with a down-to-earth approach, willing to take responsibility, and who wish to gain experience are offered opportunities in a programme of modernization and expansion of retail shops. This Company's Head Office will be transferred to Bracknell, Berks, in 1961. Cost of additional fares to London will be paid until the move and assistance with housing will be given to those living in London. Pension Fund. Apply with full details of age, education and experience to Personnel Officer, Mac Fisheries, 10/12 Little Trinity Lane, London, E.C.4.

JUNIOR DRAUGHTSMAN: required. Two years' minimum drawing experi-ence. Salary by arrangement. Three weeks' paid holiday. Luncheon vouchers. Poulton & Freeman, F/F.R.I.B.A., 6: Wyndham Place, Bryanston Square, W.I.

SENIOR ASSISTANT ARCHITECT required on the permanent staff of rapidly expanding organization in the East Midlands. The successful applicant will be responsible to the Staff Architect for the design of all types of Industrial Building. This appointment offers con-siderable scope for rapid advancement to a man with initiative, drive and A.R.I.B.A. required, although applicants close to Associateship with the ability and necessary experience will be considered. Send full particulars of training, experience, and present salary [6585 to Box No. 0185.

£750/£1,000 YOUNG ARCHITECTS WANTED URGENTLY

Senior and Junior Assistants required to work on a variety of interesting contracts, including flats, hospitals, offices, hotels, shops and interiors, etc. Opportunities for modern design and control of con-Opportunities tracts. Salaries as above, or according

to experience.

R. Mountford Pigott & Partners. South Kensington. Tel. KENsington 1242

ARCHITECTURAL ASSISTANTS of Final or Intermediate standard required by London architects with varied practice. Salary by arrangement. Fiveday week. Ring WHI 2552 for interview

ARCHITECTURAL ASSISTANT required, with at least two years' office experience. Apply in writing to Thomas Mitchell & Partners, 20 Bedford Square, London, W.C.1. [0916

Official Announcements

ARCHITECTURAL APPOINT-MENTS VACANT (cont)

ARCHITECTURAL ASSISTANT, London, Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 3667.

ARCHITECTURAL ASSISTANT, Interquired, with at least two years' Good prospects. Box 3668.

ARCHITECTURAL Staff required. All grades. Five-day week, first-class prospects. H. Hubbard Ford, F.R.I.B.A., 24 Cornfield Road, Eastbourne. [6527

BASIL SPENCE & PARTNERS require qualified and experienced Architects to fill positions of responsibility on a major building programme. Write to 48 Queen Anne Street, W.1, stating experience and salary required.

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ARCHITECTURAL and Visual Planning Models, Prototype Design and Develop-ment. Exhibition Stands and Display. Consult: John Evans & Associates, East-gate House, Cheyne Walk, Northampton.

INSURANCE

ARCHITECTS' Indemnity Insurance effected.—Please write for Proposal Form to E. J. Saxby, Incorporated Insurance Broker, 3 Tel. 3000. 37a Carfax, Horsham, Sussex 16455

BUILDING SITES

LAND & SITE DEVELOPMENTS LTD. need land for houses and flats, up to 50 acres in Home Counties. Small sites and old houses, etc., considered. Agents retained and reinstructed. Bonus paid on "good buys". Town Planning applica-tions and appeals undertaken. Solicitors, architects, builders and others with land for sale please note that we need 1.000 units this year. Land & Site Developments Ltd., 43 Upper Berkeley Street, London, W.1. AMB 1057/8. CUN 1483.

MISCELLANEOUS

REFRIGERATED SHELVES for bottle cooling, beer and wine coolers, etc., for hotel, catering and licensed trades, supplied and installed. G.V.E. Ltd., 231 Strand, W.C.2. FLE 5947. [0813

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PRIVATE Drives, Forecourts, Estate Roads, etc., resurfaced or reconstructed by specialists. Tarmacadam or Tar-spraying. Estimates free.—Stanley Lucas (Slough) Ltd., Alexandra Road, Slough [0136

COMPETITION

Borough of Wokingham ARCHITECTURAL COMPETITION FOR NEW TOWN HALL

REGISTERED architects are invited to submit designs for the new Municipal Offices and Public Halls. The assessor is Mr. Clifford Culpin, O.B.E., F.R.I.B.A., M.T.P.I.

Premiums are £1,000, £500 and £250. Conditions will be available from June

Conditions will be available from June 24,1960, and applications for them will be received up to July 8, 1960.

Last day for submitting designs is October 17, 1960. Applications for conditions, schedules of accommodation, site plan, etc., should be made to the Town Clerk, Town Hall, Wokingham, Berks accompanied by a described of 22 accompanied by a described of Berks, accompanied by a deposit of £2 2s.

L. GODDARD SMALLEY Town Clerk.

Town Hall. Wokingham, Berks. June 1, 1960.

[6605

EDUCATIONAL

CANDIDATES PREPARED R.I.B.A. Supplementary tuition Revision Courses also arranged in any subject. Write to the Principal (A. B. Waters, F.R.I.B.A., F.I.Arb.), Ellis School of Architecture, 103c, Old Brompton Road, London, S.W.7, or to Albany House, Worcester.

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SITUATIONS VACANT

A SENIOR REPRESENTATIVE is required for the West Midlands, Wessex and South Wales area by leading and South Wales area by leading nationally known manufacturers of pre-fabricated timber building systems; sound knowledge of building construction is essential; architectural background with experience of prefabrication or timber structures would be a considerable asset. This is an opportunity for a capable sales executive able to initiate, maintain and successfully finalize technical and commercial pergeitations. technical and commercial negotiations at high level. Send fullest details of qualifications and experience and career with age and salary levels in chronologi-cal order. Box No. 8983. [6540

EXPERIENCED REPRESENTATIVE REQUIRED

TO introduce Prestige Kitchen Units to the Building Industry. Excellent opportunity for man with proven selling record and with the "know-how" of approach to Architects

and large building contractors. Salary, commission and expenses. Managing Director, Prestige Kitchen Furniture, Byron Road, Wealdstone, Harrow, Middx. (Tel.: Harrow 2236).

ESTIMATORS shop-fitting required, experience of first-class workmanship, excellent prospects for the right men. Write or telephone, Managing Director's Secretary, E. Pollard & Co. Ltd., 159 St. John's Street, E.C.1. Telephone: CLErkenwell 6701.

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EXCAVATION sub-contracts, site development, overburden removal, clay getting, earth dam construction, etc. Technical staff available to analyse, programme and price complex projects. Particular attention given to finish and compaction. D.9, D.8, TD.18 and TD.14 scrapers, excavators, loading shovels and lorries available with competent and imaginative supervision for execution of Also interested in overseas projects calling for not exceeding 10,000yd per week output. Dick Hampton, Blacknest, Alton, Hants. Tel: Bentley 2241

LARGE COMPANY in W. Midlands has immediate capacity available in Log and Moulding Mills, also in Joinery and Cabinet-making departments. Highclass workmanship assured at competitive prices. Box. No. 0202. [6591

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Sectional SECOND-HAND Buildings, 24ft x 12ft, £102; 30ft x 15ft, £138; 40ft x 18ft, £192; 60ft x 20ft, £302, floors extra, delivery included 100 miles. Also similar new buildings; lists. Universal Supplies, Crabtree Manorway, Belvedere, Kent (Erith 32948).

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OCCUPATION

the logical use of colour in building no. 3

the age effect

Young children have a relatively pigment-free lens of the eye, but as the years go by the lens develops a pigment like that in the skin. It is yellowish or brownish and as the years pass, although the whole of the lens is pigmented, the increased degree of pigmentation tends to concentrate at the periphery of the lens. This degree of pigmentation prevents some of the colour energy, particularly in the blue end of the spectrum, from reaching the retina of the eye.

This change in colour reception (and it is similar in both sexes) is progressive with age and very few people are aware of the change of attitude towards colour reception on account of the slow change, but the effect upon the tolerance of colour is a factor of major significance. For the great majority of people the age of 25 years marks the maximum appreciation and differentiation over the whole spectral range from violet to deep red. Even by 30 years the capacity to differentiate between the deep blues is beginning to become apparent, and by 55 years the effort to differentiate in the blue and green end of the spectrum is considerable.

The increased pigmentation of the periphery of the eye with age still further distorts the colour vision away from the line of sight.

Both of these effects combined, mean that given free choice older people tend to select colour schemes for the interior or exterior of buildings which are predominantly taken from the yellow, orange and red end of the spectrum and often light colours containing these hues. Blues and greens are eschewed except for contrast and small areas.

It is therefore advisable to know not only the function of a building, but also the age group of the occupants, before deciding on a series of colour schemes.

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